THE UNIVERSITY OF KANSAS
SCIENCE BULLETIN

VOL. XLIII] AUGUST 20, 1962 [No. 5

Catalogue of the Types in the Snow Entomological Museum. Part III (Diptera)

BY

GEORGE W. BYERS, FENJA BLANK, WILFORD J. HANSON, DAVID F. BENEWAY, and RICHARD W. FREDRICKSON *

ABSTRACT: Types of 1,380 species and subspecies of Diptera are catalogued, with references to original description (except for species represented by paratypes only), number and condition of specimens, and type numbers as recorded in the catalogue of types in the Snow Entomological Museum.

INTRODUCTION

Many distinguished students of Diptera have been associated with the Snow Entomological Museum, either directly, as students or curatorial staff, or indirectly, as specialists making extensive use of this collection. As a result, the number of species of Diptera represented in the Snow Museum by types probably exceeds that of any other order of insects. This part of the catalogue lists 1,380 species and subspecies.

Among staff members of the University of Kansas who contributed to the early growth of the Diptera collection were Dr. Francis H. Snow, who established the museum, Dr. S. W. Williston, Dr. W. A. Snow (son of the founder) and Dr. C. P. Alexander. Students of Diptera at the University of Kansas who later were close associates of the museum include C. F. Adams, J. M. Aldrich, J. M. Brennan, C. H. Curran, D. E. Hardy, C. H. Martin and E. S. Tucker. Outstanding dipterologists at other institutions, who have included materials from the museum in their studies and have therefore deposited certain type specimens in the Snow collection, include H. R. Dodge, C. L. Fluke, F. C. Harmston, L. Haseman, F. M. Hull, M. T. James, R. H. Painter, C. B. Philip, H. J. Reinhard, C. W. Sabrosky and M. C. Van Duzee. We are indebted to many of these

* Contribution No. 1103 of the Department of Entomology, The University of Kansas, Lawrence, Kansas.

specialists for assistance in compiling information about the types of species described by them. This list is by no means complete but names the major contributors to the collection of types presented hereinafter.

One important acquisition by the Snow Museum was the collection of North American Diptera made by Dr. C. H. T. Townsend during the years before 1894. This purchase was briefly discussed by Professor Williston in a note in Entomological News, vol. 5, p. 186, in 1894. Through exchanges, representative types of several species described by the following authors have been placed in the Snow Museum: F. W. Edwards, C. W. Johnson, A. L. Melander and C. R. Osten Sacken.

In the list of type specimens that follows, the families are arranged alphabetically. Certain family names based on genera proposed by Meigen in 1800 (Nouvelle classification des mouches à deux ailes, [Diptera L.], d'apres un plan tout nouveau) are not used. Beneath the family headings, types are arranged in two separate lists. The first of these includes holotypes, allotypes, syntypes and lectotypes, as well as paratypes if these are present in addition. This list contains references to the original description of each species and to the designation of lectotypes, where applicable. The second list includes species represented in the Snow collection by paratypes only and omits literature references. Both lists indicate the sex of types (except in case of large series including both sexes, where the total number only is given) and their condition, if seriously damaged. The type number from the Catalogue of Types in the Snow Entomological Museum is given for each species.

Secondary types, such as homotypes, metatypes and plesiotypes, are not included in this catalogue. Furthermore, only those type specimens of available species actually present in the museum as of 1960 are included. In some cases an original description indicated one or more types were deposited in the Snow Museum, whereas none—or a lesser number than that indicated—was actually found in the collection. On the other hand, an author may have stated that certain types were deposited in another museum, while in fact they were placed in the Snow Museum. No attempt has been made to rectify these inconsistencies.

Names of species appear in alphabetical order in the appropriate family list. Only original combinations of generic and specific names have been used, as it would be impracticable to attempt to give the current generic assignment or synonymic status of every

species. There are certain exceptions to this rule, however. If a syntype or paratype of a species is later made a part of the type series of another species, this is noted. Also, the spelling used in the original description has, in some instances, been regarded as incorrect; in such cases, the supposedly correct spelling (usually of a generic name) is used and the actual spelling indicated in a note after the species' entry. Family assignment has, in rare cases, been altered from the original, to conform to the assignment currently recognized by appropriate authorities. In some families, the entry for sex of a type or types has been queried: (?). This is because the original description of the species did not state the sex, and it cannot easily be determined. In such cases, we have made a tentative judgment and marked it questionable. Occasionally, we have determined the sex of a type to be different from that indicated by the author, such action being appropriately noted.

ACKNOWLEDGMENTS

In addition to expressing thanks to the specialists on Diptera mentioned above, for their kind co-operation, we wish to thank the University of Kansas for providing from its General Research Fund financial support which has made possible the completion of this catalogue.

ACROCERIDAE

Acrocera hungerfordi Sabrosky, 1944, Amer. Midl. Nat., vol. 31, no. 2, pp. 406-407. ♀ holotype, 1 ♂ paratype. 3527.

Acrocera liturata Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, p. 294. ♂ holotype. 101.

Acrocera steyskali Sabrosky, 1944, Amer. Midl. Nat., vol. 31, no. 2, pp. 401-403. ♂ holotype, 1 ♀ paratype. 3526.

Pterodontia notomaculata Sabrosky, 1948, Amer. Midl. Nat., vol. 39, no. 2, pp. 393-394. ♂ holotype, 4 ♂ paratypes. 3804.

ACROCERIDAE—Paratypes

Ogcodes marginatus Cole. 2 ♂. 5548.

AGROMYZIDAE

Agromyza lateralis Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 428. 1 ♀ syntype (= lectotype of *Phytobia allecta* Melander). 723.

Phytobia allecta Melander—see *Agromyza lateralis* Williston.

AGROMYZIDAE—Paratypes

Agromyza sorosis Williston. 1 ♀ lectoparatype. 724.

Liriomyza hawaiiensis Frick. 3 ♀. 5141.

Liriomyza minutiseta Frick. 1 ♀. 5143.

Melanagromyza splendida Frick. 2 ♂. 5142.

Phytobia ambrosiae Frick. 1 ♂. 5530.

Phytoliriomyza montana Frick. 1 ♂, 1 ♀. 5145.

ANTHOMYIIDAE

Caricea flavipes Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 206. 2 ♀ syntypes. 732.

Caricea multimaculata Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 205. 3 ♂, 1 ♀ syntypes. 731.

Caricea sexnotata Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 205. 1 ♀ syntype. 730.

Chortophila linearis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 206. 167 ♂ and ♀ syntypes. 744.

Coenosia lineata Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 208. 1 ♀ syntype. 756.

Coenosia valida Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 207. 6 broken syntypes, sex unkown. 775.

Helina cruciata Snyder, 1941, Amer. Mus. Novit. No. 1134, p. 9. ♀ holotype. 3351.

Hydrophoria tarsata Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 206-207. 1 ♂ syntype. 776.

Spilogaster latifrons Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 204-205. 2 ♂ and 1 broken syntypes. 729.

Spilogaster quadriseta Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 203-204. 1 ♂, 7 ♀ syntypes. 728.

ANTHOMYIIDAE—Paratypes

Fannia enotahensis Seago. 1 ♂, 1 ♀. 1352.

Hylemyia (Delia) setifirma Huckett. 1 ♀. 4495.

Hylemyia (Botanophila) subspinata Huckett, 1 ♂, 1 ♀. 3652.

Hylemyia (Phorbia) conicans Huckett. 3 ♂, 1 ♀. 3821.

APIOCERIDAE

Apiocera beameri Painter, 1936 (1938), Univ. Kans. Sci. Bull., vol. 24, no. 12, pp. 198-199. ♂ holotype, ♀ allotype. 5531.

Apiocera bilineata Painter, 1932, Ann. Ent. Soc. Amer., vol. 25, no. 2, pp. 351-352. ♂ holotype, ♀ allotype, 1 ♀ paratype. 3713.

Apiocera martinorum Painter, 1936 (1938), Univ. Kans. Sci. Bull., vol. 24, no. 12, pp. 197-198. ♂ holotype, ♀ allotype, 50 ♂ and ♀ paratypes. 5532.

Apiocera notata Painter, 1936 (1938), Univ. Kans. Sci. Bull., vol. 24, no. 12, pp. 199-200. ♂ holotype, ♀ allotype, 1 ♂ paratype. 5534.

Rhaphiomidas mellifex Townsend, 1895, Proc. Cal. Acad. Sci., series 2, vol. 4, p. 604. 1 ♀ lectotype, 1 ♀ lectoparatype, Cazier, 1941, Amer. Midl. Nat., vol. 25, p. 619. 147.

Rhaphiomidas xanthos Townsend, 1895, Proc. Cal. Acad. Sci., series 2, vol. 4, p. 606. 1 ♂ lectotype, 2 ♂ lectoparatypes, Cazier, 1941, Amer. Midl. Nat., vol. 25, p. 619. 148.

APIOCERIDAE—Paratypes

Apiocera aldrichi Painter. 1 ♂. 2039.

Apiocera interrupta Painter. 2 ♀. 5533.

Rhaphiomidas parkeri Cazier. 1 ♂. 3044.

ASILIDAE

Andrenosoma chalybea Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, p. 56. ♀ holotype. 180.

Apachekolos confusio Martin, 1957, Bull. Amer. Mus. Nat. Hist., vol. 111, no. 5, pp. 354-355. ♀ allotype. 5758.

Aphamartania fur Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, pp. 53-54. ♂ holotype. 173.

Asilus (Neoitamus) affinis Williston, 1893, Kans. Univ. Quart., vol. 2, no. 1, pp. 73-74. ♂ holotype. 212.

Asilus angustifrons Williston, 1893, Kans. Univ. Quart., vol. 2, no. 1, pp. 71-72. 1 ♂ syntype. 216.

Asilus (Stenoprosopus) arizonensis Williston, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 76. ♀ holotype. 209.

Asilus astutus Williston, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 70. 1 ♂ syntype. 217.

Asilus (Neoitamus) distinctus Williston, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 73. 1 ♂, 1 ♀ syntypes. 5483.

Asilus (Rhadiurgus) leucopogon Williston, 1893, Kans. Univ. Quart., vol. 2, no. 1, pp. 75-76. 2 ♂ syntypes and 1 with broken abdomen. 208.

Asilus (Tolmerus) callidus Williston, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 75. 1 ♂ syntype. 214.

Atomosia (Atractia) mikii Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, pp. 290-291. ♂ (?) holotype. 178.

Beameromyia chrysops Martin, 1957, Bull. Amer. Mus. Nat. Hist., vol. 111, no. 5, pp. 356-357. ♂ holotype, ♀ allotype, 13 ♂, 18 ♀, and 1 broken paratypes. 5651.

Beameromyia kawiensis Martin, 1957, Bull. Amer. Mus. Nat. Hist., vol. 111, no. 5, p. 358. ♂ holotype, ♀ allotype. 5757.

Beameromyia lacinia Martin, 1957, Bull. Amer. Mus. Nat. Hist., vol. 111, no. 5, pp. 358-359. ♂ holotype, ♀ allotype, 27 ♂, 24 ♀ paratypes. 5650.

Beameromyia macula Martin, 1957, Bull. Amer. Mus. Nat. Hist., vol. 111, no. 5, p. 360. ♂ holotype, ♀ allotype, 2 ♂, 2 ♀ paratypes. 5652.

Beameromyia prairiensis Martin, 1957, Bull. Amer. Mus. Nat. Hist., vol. 111, no. 5, p. 361. ♂ holotype, ♀ allotype. 5756.

Beameromyia punicea Martin, 1957, Bull. Amer. Mus. Nat. Hist., vol. 111, no. 5, p. 362. ♂ holotype, ♀ allotype, 6 ♂, 10 ♀, and 1 broken paratypes. 5653.

Bombomima nigella Bromley, 1934, Ann. Ent. Soc. Amer., vol. 27, no. 1, p. 93. ♂ holotype. 3825.

Bromleyus flavidorsus Hardy, 1944, Canad. Ent., vol. 76, no. 11, pp. 226-227. ♀ holotype. 5537.

Cerotainiops kernae Martin, 1959, Jour. Kans. Ent. Soc., vol. 32, no. 2, p. 52. ♀ holotype. 6079.

Cerotainiops lucyi Martin, 1959, Jour. Kans. Ent. Soc., vol. 32, no. 2, pp. 50-51. ♂ holotype, ♀ allotype, 1 ♀ paratype. 6080.

Cyrtopogon beameri Wilcox & Martin, 1936, Ent. Americana, vol. 16, no. 1, pp. 84-85. ♂ holotype, ♀ allotype, 1 ♂, 5 ♀ paratypes. 2242.

Cyrtopogon dasyllis Williston, 1893, Kans. Univ. Quart., vol. 2, no. 1, pp. 66-67. 4 ♂ syntypes. 158.

Cyrtopogon dubius Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, pp. 13-14. ♀ holotype. 159.

Cyrtopogon gibber Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, p. 14. ♀ holotype. 160. Originally published with genus queried.

Cyrtopogon praepes Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, p. 12. 2 ♂, 2 ♀ syntypes. 162.

Daulopogon terricola Johnson, 1900, Ent. News, vol. 11, no. 1, p. 326. 2 ♂, 1 ♀ syntypes (1 ♀ missing head). 168.

Deromyia perplexa Back, 1909, Trans. Amer. Ent. Soc., vol. 35, no. 9, p. 360. 1 ♀ syntype. 172.

Dioctria (Neodioctria) albicornis Wilcox & Martin, 1941, Ent. Americana, vol. 21, no. 1, pp. 7-8. ♂ holotype, ♀ allotype. 3081.

Dioctria (Eudioctria) beameri Wilcox & Martin, 1941, Ent. Americana, vol. 21, no. 1, pp. 13-15. ♂ holotype, ♀ allotype, 1 ♂, 4 ♀ paratypes. 3080.

Dioctria nitida Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, p. 8. 1 ♂, 3 ♀ syntypes. 154.

Dioctria sackeni Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, pp. 8-9. 3 ♂ syntypes (1 with abdomen missing). 155.

Erax benedicti Bromley, 1940, Bull. Brooklyn Ent. Soc., vol. 35, no. 1, pp. 15-16. ♂ holotype, ♀ allotype, 15 ♀ paratypes. 5536.

Erax cuervanus Hardy, 1943, Jour. Kans. Ent. Soc., vol. 16, no. 1, p. 27. ♂ holotype, ♀ allotype, 1 ♂, 5 ♀ paratypes. 5539.

Erax dubius Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, pp. 64, 68. ♂ holotype. 182.

Erax jubatus Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, pp. 66-67. 1 ♂, 1 ♀ syntypes. 183.

Erax latrunculus Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, p. 67. 2 ♂, 1 ♀ syntypes. 184.

Erax leucocomus Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, pp. 69-70. 1 ♂, 1 ♀ syntypes. 185.

Erax plenus Hine, 1916, Ohio Jour. Sci., vol. 17, p. 21. ♂ holotype, 6 ♀ paratypes. (All specimens labeled "cotype" but ♂ listed as type by Hine.) 2080.

Erax similis Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, p. 68. 2 ♀ syntypes. 186.

Erax stamineus Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, p. 68. 1 ♂ syntype. 187.

Erax subaridus Bromley, 1940, Bull. Brooklyn Ent. Soc., vol. 35, no. 1, pp. 14-15. ♂ holotype, ♀ allotype, 8 ♂, 16 ♀ paratypes. 5540.

Erax varipes Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, p. 71. 1 ♂ syntype. 188.

Erax vertebratus Bromley, 1940, Bull. Brooklyn Ent. Soc., vol. 35, no. 1, p. 14. ♂ holotype, ♀ allotype, 1 ♂, 1 ♀ paratypes. 5541.

Hodophylax aridus James, 1933, Amer. Mus. Novit. No. 596, p. 2. ♂ allotype. 3822.

Holopogon snowi Back, 1909, Trans. Amer. Ent. Soc., vol. 35, pp. 316-317. ♀ lectotype, 1 ♀ lectoparatype and 1 ♂ allotype by subsequent designation, Martin, 1951, Jour. Kans. Ent. Soc., vol. 24, no. 2, pp. 35-36. 169.

Holopogon texanus Bromley, 1934, Ann. Ent. Soc. Amer., vol. 27, no. 1, pp. 89-90. ♀ holotype, ♂ allotype. 3823.

Hyperechia atrox Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, p. 28. ♀ holotype. 179.

Laphria anthrax Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, p. 29. ♀ holotype. 190. Homonym of *L. anthrax* Meigen 1829; renamed *L. carbonarius* by Williston, Kans. Univ. Quart., vol. 4, p. 181 (1896).

Laphria canis Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, p. 31. 1 ♂, 1 ♀ syntypes. 189.

Laphria carbonarius (see *Laphria anthrax*).

Laphria ferox Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, pp. 29-30. 2 ♀ syntypes. 191.

Laphria pubescens Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, p. 32. 1 ♂, 2 ♀ syntypes. 192.

Laphria ruficauda Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, p. 55. ♀ holotype. 193.

Laphria ventralis Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, p. 55. ♀ holotype. 194.

Laphria vivax Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, p. 30. ♂ holotype. 195.

Laphria xanthippe Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, pp. 31-32. 2 ♀ syntypes. 196.

Leptogaster altacola Martin, 1957, Bull. Amer. Mus. Nat. Hist., vol. 111, no. 5, p. 373. ♀ allotype, 7 ♂, 6 ♀ paratypes. 5657.

Leptogaster bifidus Hardy, 1942, Jour. Kans. Ent. Soc., vol. 15, no. 2, pp. 59-61. ♂ holotype, ♀ allotype, 4 ♂, 6 ♀ paratypes and 1 paratype with broken abdomen. 5542.

Leptogaster lanata Martin, 1957, Bull. Amer. Mus. Nat. Hist., vol. 111, no. 5, p. 382. ♂ holotype, ♀ allotype. 5660.

Leptogaster occidentis Hardy, 1942, Jour. Kans. Ent. Soc., vol. 15, no. 2, p. 61. ♂ holotype, ♀ allotype, 2 ♂, 5 ♀ paratypes and 2 paratypes with broken abdomens. 5543.

Leptogaster panda Martin, 1957, Bull. Amer. Mus. Nat. Hist., vol. 111, no. 5, pp. 372-373. ♂ holotype. 5661.

Leptogaster parvoclava Martin, 1957, Bull. Amer. Mus. Nat. Hist., vol. 111, no. 5, pp. 371-372. ♂ holotype, ♀ allotype, 1 ♂, 4 ♀ paratypes. 5658.

Leptopteromyia americana Hardy, 1947, Jour. Kans. Ent. Soc., vol. 20, no. 2, pp. 74-75. ♂ holotype, ♀ allotype (head missing), 1 ♂, 3 ♀ paratypes and 3 paratypes with broken abdomens. 3757.

Mallophora clausicella intermedia Tucker, 1907, Univ. Kans. Sci. Bull., vol. 4, no. 2, p. 92. 3 syntypes (1 ♀ and 2 with broken abdomens). 5676.

Mallophora guildiana Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, p. 60. 4 ♀ syntypes. 205.

Myelaphus rufus Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, p. 7. ♀ holotype. 153.

Nannocyrtopogon j-beameri Wilcox and Martin, 1957, Ann. Ent. Soc. Amer., vol. 50, no. 4, p. 385. ♂ holotype. 6081.

Nicocles abdominalis Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, pp. 17-18. 2 ♂ syntypes. 176.

Nicocles bromleyi Hardy, 1943, Jour. Kans. Ent. Soc., vol. 16, no. 1, pp. 28-29. ♂ holotype, ♀ allotype, 2 ♂, 4 ♀ paratypes. 5544.

Nicocles rufus Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, p. 18. ♀ holotype. 177.

Nicocles scitulus Williston, 1883 (1884), Trans. Amer. Ent. Soc., vol. 11, p. 19. ♀ holotype. 174.

Ommatius baboquivari Wilcox, 1936, Bull. Brooklyn Ent. Soc., vol. 31, no. 4, pp. 174-176. ♂ holotype. 2240.

Ommatius beameri Wilcox, 1936, Bull. Brooklyn Ent. Soc., vol. 31, no. 4, p. 174. ♂ holotype, ♀ allotype. 2241.

Philonicus rufipennis Hine, 1907, Ohio Naturalist, vol. 7, no. 6, pp. 117-118. 1 ♂ syntype. 207.

Proctacanthus arno Townsend, 1895, Proc. Calif. Acad. Sci., vol. 4, pp. 599-600. 2 ♂, 3 ♀ syntypes. 198.

Proctacanthus zamon Townsend, 1895, Proc. Calif. Acad. Sci., vol. 4, pp. 600-601. 1 ♂, 2 ♀ syntypes. 1701.

Promachus albifacies Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, p. 63. 2 ♂ syntypes. 199.

Promachus apicalis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 153. 1 ♀, 2 broken syntypes. 200.

Promachus flavibarbis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 152-153. ♀ holotype. 201.

Promachus negligens Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 154. 1 ♂, 1 ♀ syntypes and 1 with broken abdomen. 202.

Promachus painteri Bromley, 1934, Ann. Ent. Soc. Amer., vol. 27, no. 1, p. 93. ♂ holotype, ♀ allotype. 3824.

Promachus princeps Williston, 1885, Trans. Amer. Ent. Soc., vol. 12, pp. 62-63. 4 ♂ syntypes. 203.

Promachus solus Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 153-154. ♀ holotype. 204.

Saropogon albifrons Back, 1904, Canad. Ent., vol. 36, no. 10, p. 291. 2 ♀ syntypes. 170.

Saropogon pritchardi Bromley, 1934, Ann. Ent. Soc. Amer., vol. 27, no. 1, p. 90. ♂ holotype, ♀ allotype. 3288.

Sisyrnodytes major Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 155. 3 ♀ syntypes. 210.

Stenopogon aeacidinus Williston, 1896, Trans. Amer. Ent. Soc., vol. 13, p. 289. 2 ♂ syntypes. 150.

Stenopogon andersoni Bromley, 1937, Jour. N. Y. Ent. Soc., vol. 45, nos. 3-4, p. 302. ♂ holotype, ♀ allotype, 1 ♂ paratype. 2200.

Stenopogon breviusculoides Bromley, 1937, Jour. N. Y. Ent. Soc., vol. 45, no. 3-4, pp. 299-300. ♂ holotype, ♀ allotype, 1 ♂, 2 ♀ paratypes. 2230.

Stenopogon californioides Bromley, 1937, Jour. N. Y. Ent. Soc., vol. 45, no. 3-4, pp. 304-305. ♂ holotype, ♀ allotype, 1 ♂, 5 ♀ paratypes and two with broken abdomens. 2235.

Stenopogon dispar Bromley, 1937, Jour. N. Y. Ent. Soc., vol. 45, no. 3-4, p. 306. ♂ holotype, ♀ allotype. 2239.

Stenopogon huachucanus Hardy, 1942, Jour. Kans. Ent. Soc., vol. 15, no. 2, pp. 57-58. ♂ holotype, ♀ allotype, 1 ♂, 1 ♀ paratypes. 5546.

Stenopogon jubatoides Bromley, 1937, Jour. N. Y. Ent. Soc., vol. 45, no. 3-4, p. 297. ♂ holotype, ♀ allotype. 2238.

Stenopogon nigriverticellus Bromley, 1937, Jour. N. Y. Ent. Soc., vol. 45, no. 3-4, p. 298. ♀ holotype. 2203.

Stenopogon wilcoxi Bromley, 1937, Jour. N. Y. Ent. Soc., vol. 45, no. 3-4, pp. 300-301. ♂ holotype, ♀ allotype, 4 ♂, 13 ♀ paratypes and two with broken abdomens. 2204.

Taracticus brevicornis Williston, 1883, Trans. Amer. Ent. Soc., vol. 11, pp. 22-23. 1 ♂, 1 ♀ syntypes. 175.

Tolmerus annulipes delusus Tucker, 1907, Univ. Kans. Sci. Bull., vol. 4, no. 2, p. 92. 2 ♂, 2 ♀ syntypes. 213.

Tolmerus mesae Tucker, 1907, Univ. Kans. Sci. Bull., vol. 4, no. 2, pp. 92-93. 1 ♂, 2 ♀ syntypes. (Abdomen of ♂ damaged.) 215.

Triclis tagax Williston, 1883, Trans. Amer. Ent. Soc., vol. 11, pp. 9-10. ♀ holotype. 152.

ASILIDAE—Paratypes

Ablautus nigronotum Wilcox. 2 ♂, 2 ♀. 2205.

Asilus knulli Bromley. 1 ♂. 5535.

Backomyia schlingeri Wilcox and Martin. 1 ♀. 6082.

Beameromyia lunula Martin. 2 ♂, 4 ♀. 5655.

Beameromyia monticola Martin. 1 ♂, 1 ♀. 5656.

Beameromyia silvacola Martin. 1 ♂, 2 ♀. 5654.

Beameromyia vulgaris Martin. 4 ♀. 5649.

Cerotainiops mcclayi Martin. 4 ♂. 6083.

Cerotainiops wilcoxi Pritchard. 1 ♀. 3286.

Coleomyia hinei Wilcox & Martin. 2 ♂, 8 ♀. 2192.

Comantella rotgeri James. 1 ♂, 1 ♀. 2281.
Cophura acapulcae Pritchard. 4 ♀. 3285.
Cophura calla Pritchard. 1 ♂. 3284.
Cyrtopogon albifrons Wilcox & Martin. 3 ♂, 1 ♀. 3722.
Cyrtopogon auripilosus Wilcox & Martin. 4 ♂, 3 ♀. 2186.
Cyrtopogon banksi Wilcox & Martin. 6 ♂, 2 ♀. 2189.
Cyrtopogon fumipennis Wilcox & Martin. 1 ♀. 3719.
Cyrtopogon montanus wilcoxi James. 2 ♂, 3 ♀. 3347.
Cyrtopogon punctipennis Melander. 1 ♀. 161.
Cyrtopogon tacoma Melander. 2 ♂, 2 ♀. 163.
Cyrtopogon willistoni Curran. 2 ♂, 2 ♀. 157.
Dioctria (Eudioctria) monrovia Wilcox & Martin. 1 ♂, 1 ♀. 3083.
Dioctria (Metadioctria) rubida atripes Wilcox & Martin. 1 ♂. 3717.
Dioctria rubida nigripilosa Wilcox & Martin. 2 ♂. 3082.
Diogmites crudelis Bromley. 2 ♀. 2194.
Diogmites esuriens Bromley. 4 ♂, 3 ♀. 2195.
Diogmites grossus Bromley. 3 ♂, 3 ♀. 2196.
Diogmites pritchardi Bromley. 1 ♀. 2197.
Diogmites properans Bromley. 5 ♂, 7 ♀. 2198.
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Erax helenae Bromley. 3 ♂, 7 ♀. 3816.
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Heteropogon currani Pritchard. 2 ♂, 2 ♀. 3287.
Heteropogon maculinervis James. 2 ♂. 2220.
Heteropogon wilcoxi James. 1 ♂, 1 ♀. 1994.
Holcocephala bullata Bromley. 1 ♀. 1988.
Holopogon acropennis Martin. 1 ♂, 2 ♀. 6084.
Holopogon caesariatus Martin. 1 ♂, 1 ♀. 6085.
Holopogon currani Martin. 1 ♂, 4 ♀. 6086.
Holopogon mingusae Martin. 1 ♂, 1 ♀. 6087.
Holopogon oriens Martin. 1 ♀. 6088.
Holopogon stellatus Martin. 4 ♂, 1 ♀. 6089.
Holopogon vockerothi Martin. 1 ♂, 2 ♀. 6090.
Holopogon wilcoxi Martin. 2 ♂, 2 ♀. 6091.
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Laphystia lanhami James. 2 ♀. 3073.
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Lasiopogon chaetosus Cole & Wilcox. 2 ♂, 1 ♀. 2190.
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Lasiopogon gabrieli Cole & Wilcox. 1 ♂, 1 ♀. 3716.
Lasiopogon martinensis Cole & Wilcox. 2 ♂ (1 missing head). 3720.
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Leptogaster arborcola Martin. 1 ♂, 1 ♀. 5662.
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Nannocyrtopogon atripes Wilcox & Martin. 2 ♂, 2 ♀. 3718.

Nannocyrtopogon monrovia Wilcox & Martin. 1 ♂. 3723.
Nannocyrtopogon mingusi Wilcox and Martin. 1 ♂, 1 ♀. 6092.
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Promachus oklahomensis Pritchard. 1 ♂, 1 ♀. 3289.
Promachus texanus Bromley. 3 ♂, 3 ♀. 1989.
Stenopogon kelloggi Wilcox. 2 ♂, 1 ♀. 2201.
Stenopogon martini Bromley. 4 ♂, 6 ♀. 2202.
Stenopogon rufibarboides Bromley. 1 ♀. 2237.

ASTEIIDAE

Asteia longipennis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 188. ♂ holotype. 751.

ASTEIIDAE—Paratypes

Asteia multipunctata Sabrosky. 1 ♀. 2944.

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Bibio albipennis beameri Hardy, 1945, Univ. Kans. Sci. Bull., vol. 30, no. 15, pp. 451-452. ♂ holotype, ♀ allotype, 122 ♂ and ♀ paratypes. 3208.
Philia globosa Hardy, 1942, Jour. Kans. Ent. Soc., vol. 15, no. 4, pp. 128-129. ♂ holotype, ♀ allotype, 1 ♂ paratype. 3338.
Philia tingi Hardy, 1942, Jour. Kans. Ent. Soc., vol. 15, no. 4, pp. 132-133. ♀ holotype, ♂ allotype, 2 ♀ paratypes. 3228.
Plecia (Rhinoplecia) biformis Hardy, 1942, Canad. Ent., vol. 74, no. 6, p. 106. ♂ holotype, ♀ allotype. 3236.
Plecia edwardsi Hardy, 1940, Jour. Kans. Ent. Soc., vol. 13, no. 1, p. 17. ♂ holotype, ♀ allotype, 1 ♂ paratype. 3241.
Plecia lopesi Hardy, 1940, Jour. Kans. Ent. Soc., vol. 13, no. 1, pp. 19-20. ♂ holotype, ♀ allotype. 3245.
Plecia nearctica Hardy, 1940, Jour. Kans. Ent. Soc., vol. 13, no. 1, p. 20. ♂ holotype, ♀ allotype, 25 ♂, 12 ♀ paratypes. 3246.
Plecia (Rhinoplecia) rectiora Hardy, 1942, Canad. Ent., vol. 74, no. 6, p. 113. ♂ holotype, ♀ allotype, 1 ♂ paratype. 3256.

BIBIONIDAE—Paratypes

Bibio columbiaensis Hardy. 2 ♂. 3209.
Bibio flukei Hardy. 1 ♂. 3210.
Bibio kansensis James. 1 ♂, 1 ♀. 2130.
Bibio knowltoni paltidus Hardy. 2 ♂, 1 ♀. 2394.
Bibio macateei James. 1 ♂. 2129.
Bibio melanopilosus Hardy. 6 ♂, 3 ♀. 2393.
Bibio mickeli Hardy. 1 ♂, 1 ♀. 3211.
Bibio monstri James. 5 ♂ (1 with head missing). 2397.
Bibio necotus Hardy. 1 ♂. 3220.
Bibio nigrifemoratus gilvus Hardy. 1 ♂. 3223.
Bibio painteri James. 2 ♂. 5547.
Bibio peruvianus Edwards. 1 ♂. 3263.
Bibio sericata Hardy. 3 ♂. 2392.
Bibio townesi Hardy. 5 ♂. 3224.
Bibio velcida Hardy. 3 ♂. 3225.
Dilophus bicoloripes Edwards. 1 ♂, 1 ♀ (wings missing). 3264.
Dilophus flavicornis Edwards. 1 ♂, 1 ♀. 5683.
Dilophus flavihalter Edwards. 1 ♂, 1 ♀. 3265.

Dilophus gracilipes Edwards. 1 ♂. 3266.
Dilophus luteus Edwards. 1 ♀ (head missing). 3267.
Dilophus microcerus Edwards. 1 ♂. 3268.
Dilophus nubilipennis Edwards. 1 ♂ (abdomen missing). 3269.
Dilophus patagonicus Edwards. 2 ♂. 3270.
Dilophus plaumanni Edwards. 1 ♂, 3 ♀. 5682.
Dilophus serotinus Loew. 1 ♂, 1 ♀. 3227.
Dilophus tetracanthus Edwards. 1 ♂, 1 ♀. 3272.
Penthetria appendicula Hardy. 3 ♂, 1 ♀. 3229.
Penthetria distincta Hardy. 8 ♂, 1 ♀. 3230.
Philia jamesi Hardy. 2 ♂. 2945.
Philia minima Hardy. 4 ♂. 3339.
Philia oklahomensis Hardy. 3 ♂. 2391.
Philia ornata Hardy. 3 ♀. 3340.
Philia variceps Hardy. 2 ♀. 3341.
Plecia alacris Curran. 2 ♂. 3231.
Plecia americana Hardy. 11 ♂, 6 ♀. 3232.
Plecia avicephaliforma Hardy. 1 ♂. 3233.
Plecia (Rhinoplecia) biarmata Hardy. 1 ♀. 3234.
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Plecia (Rhinoplecia) ecuadorensis Hardy. 1 ♂. 3239.
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Plecia (Rhinoplecia) gibbosa Hardy. 2 ♂, 1 ♀. 3242.
Plecia impilosa Hardy. 10 ♂, 4 ♀. 3244.
Plecia nitidicollis Edwards. 2 ♂. 3247.
Plecia (Rhinoplecia) panamaensis Hardy. 5 ♂. 3249.
Plecia (Rhinoplecia) perplexa Hardy. 1 ♀. 3250.
Plecia persimilis Hardy. 3 ♂. 3251.
Plecia (Plecia) pertinens Hardy. 1 ♂, 1 ♀. 3252.
Plecia pictipennis Edwards. 1 ♂. 3253.
Plecia (Rhinoplecia) pruinosa Hardy. 1 ♂, 1 ♀. 3254.
Plecia (Rhinoplecia) punctulata Hardy. 1 ♂, 1 ♀. 3255.
Plecia rufithorax concava Hardy. 6 ♂, 2 ♀. 3257.
Plecia (Rhinoplecia) rugosa Hardy. 1 ♂. 3258.
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Plecia (Rhinoplecia) variabilis Hardy. 6 ♂, 3 ♀. 3261.
Plecia (Rhinoplecia) xenia Hardy. 9 ♂, 1 ♀. 3262.

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Anastoechus melanohalteralis Tucker, 1907, Univ. Kans. Sci. Bull., vol. 4, no. 2, p. 91. 1 ♂, 1 ♀ syntypes. 107.

Anastoechus melanohalteralis fulvipennis Tucker, 1907, Univ. Kans. Sci. Bull., vol. 4, no. 2, p. 91. ♂ holotype. 108.

Anthrax agrippina Osten Sacken, 1887, Biologia Centr. Amer., Diptera, vol. 1, p. 139. 1 ♂ syntype. 113.

Anthrax alta Tucker, 1907, Univ. Kans. Sci. Bull., vol. 4, no. 2, pp. 89-90. ♀ holotype. 114.

Anthrax comparata Tucker, 1907, Univ. Kans. Sci. Bull., vol. 4, no. 2, p. 90. 1 ♀ syntype and 1 syntype, sex unknown with head missing. 115.

Anthrax cuniculus Osten Sacken, 1886, Biologia Centr. Amer., Diptera, vol. 1, p. 125. 1 ♀ syntype. 116.

Anthrax faustina Osten Sacken, 1887, Biologia Centr. Amer., Diptera, vol. 1, pp. 136-137. 1 ♀? syntype. 117.

Anthrax livia Osten Sacken, 1887, Biologia Centr. Amer., Diptera, vol. 1, p. 139. 1 ♀? syntype. 5684.

Anthrax moneta Osten Sacken, 1887, Biologia Centr. Amer., Diptera, vol. 1, p. 138. 1 ♂ syntype. 118.

Anthrax sabina Osten Sacken, 1887, Biologia Centr. Amer., Diptera, vol. 1, p. 137. 1 ♀? syntype (abdomen damaged). 102.

Aphoebantus carbonarius Osten Sacken, 1887, Biologia Centr. Amer., Diptera, vol. 1, p. 149. 1 ♀? syntype. 123.

Aphoebantus conurus Osten Sacken, 1887, Biologia Centr. Amer., Diptera, vol. 1, p. 148. 1 ♂ syntype. 124.

Aphoebantus cyclops Osten Sacken, 1887, Biologia Centr. Amer., Diptera, vol. 1, p. 146. 1 ♂ syntype. 125.

Comastes sackeni Williston, 1893, N. Amer. Fauna, No. 7, Dipt. of Death Valley Exped., part 2, p. 255. ♀ holotype. 105.

Desmatomyia anomala Williston, 1895, Kans. Univ. Quart., vol. 3, no. 4, pp. 268-269. ♀ holotype. 127.

Desmatomyia argentifrons Williston, 1895, Kans. Univ. Quart., vol. 3, no. 4, pp. 267-268. ♀? holotype. 126.

Dolichomyia gracilis Williston, 1894, Kans. Univ. Quart., vol. 3, no. 1, pp. 41-43. 1 ♂, 1 ♀ syntypes. 128.

Eclimus auratus Williston, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 66. 2 ♀ syntypes. 119.

Eclimus lotus Williston, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 66. ♂ holotype. 120.

Eclimus melanosus Williston, 1893, Kans. Univ. Quart., vol. 2, no. 1, pp. 65-66. 4 ♀ syntypes. 121.

Eclimus sodalis Williston, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 65. ♀ holotype. 122.

Geron (Empidigeron) aridus Painter, 1932, Trans. Amer. Ent. Soc., vol. 58, no. 2, p. 163. ♂ holotype, ♀ allotype. 132.

Geron digitaria Cresson, 1919, Proc. Acad. Nat. Sci. Phila., vol. 71, pp. 184-185. ♀ allotype, 22 ♀ paratypes. 129.

Geron (Empidigeron) snowi Painter, 1932, Trans. Amer. Ent. Soc., vol. 58, no. 2, p. 164. ♂ holotype, ♀ allotype, 6 ♂, 10 ♀ paratypes. 133.

Lordotus pulchrissimus Williston, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 64. 2 ♀ syntypes. 109.

Phthiria coquilletti Johnson, 1902, Canad. Ent., vol. 34, no. 8, pp. 240-241. 1 ♀? syntype. 5842.

Poecilanthrax apache Painter & Hall, 1960, Agr. Exp. Sta., Kansas State Univ., Tech. Bull. no. 106, pp. 31-37. ♂ holotype, ♀ allotype. 5975.

Poecilanthrax eremicus Painter & Hall, 1960, Agr. Exp. Sta., Kansas State Univ., Tech. Bull. no. 106, pp. 51-54. ♂ holotype, ♀ allotype. 5976.

Poecilanthrax hyalinipennis Painter & Hall, 1960, Agr. Exp. Sta., Kansas State Univ., Tech. Bull. no. 106, pp. 64-67. ♂ holotype, ♀ allotype. 5977.

Poecilanthrax litoralis Painter & Hall, 1960, Agr. Exp. Sta., Kansas State Univ., Tech Bull. no. 106, pp. 71-74. ♂ holotype, ♀ allotype. 5978.

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Poecilanthrax montanus Painter & Hall, 1960, Agr. Exp. Sta., Kansas State Univ., Tech. Bull. no. 106, pp. 82-86. ♂ holotype, ♀ allotype. 5980.

Poecilanthrax poecilogaster interruptus Painter & Hall, 1960, Agr. Exp. Sta., Kansas State Univ., Tech. Bull. no. 106, pp. 97-98. ♀ holotype. 5981.

Poecilanthrax tanbarkensis Painter & Hall, 1960, Agr. Exp. Sta., Kansas State Univ., Tech. Bull. no. 106, pp. 109-111. ♂ holotype, ♀ allotype. 5982.

Poecilanthrax varius Painter & Hall, 1960, Agr. Exp. Sta., Kansas State Univ., Tech. Bull. no. 106, pp. 114-118. ♂ holotype, ♀ allotype. 5983.

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Systropus snowi Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 156. 14 ♂ syntypes (5 with abdomens missing). 104.

Triplasius novus Williston, 1893, N. Amer. Fauna, No. 7, Dipt. of Death Valley Exped., part 2, pp. 254-255. 1 ♂ syntype. 103.

BOMBYLIIDAE—Paratypes

Bombylius albicapillus diegoensis Painter. 1 ♀. 1802.

Bombylius medorae Painter. 46 ♂, 25 ♀. 2583.

Bombylius texanus Painter. 1 ♀. 2596.

Conophorus painteri Priddy. 4 ♂ (one with head missing), 3 ♀ (one with abdomen missing). 5678.

Exoprosopa anomala Painter. 1 ♀. 2038.

Exoprosopa panamensis Curran. 2 ♀. 111.

Exoprosopa xanthina Painter. 4 ♀. 2597.

Geron albaria Painter. 2 ♂, 1 ♀. 131.

Geron grandis Painter. 2 ♂, 2 ♀. 130.

Geron versicolor Painter. 1 ♂, 1 ♀. 134.

Heterostylum croceum Painter. 1 ♂, 5 ♀. 106.

Lordotus bipartitus Painter. 1 ♂, 1 ♀. 2581.

Lordotus ermae Hall. 1 ♂, 1 ♀. 5485.

Lordotus gibbus striatus Painter. 1 ♂, 2 ♀. 2582.

BORBORIDAE

Apterina polita Williston, 1893, N. Amer. Fauna, No. 7, Dipt. Death Valley Exped., part 2, p. 259. ♀ holotype (lost off pin). 616.

Borborus gravis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 199. 2 ♂, 2 ♀ syntypes. 780.

Borborus marginatis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 198-199. ♀ holotype. 753.

Limosina atra Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 5, p. 223. ♀ holotype. 620.

Limosina evanescens Tucker, 1907, Univ. Kans. Sci. Bull., vol. 4, no. 2, pp. 102-103. 2 ♂, 2 ♀ syntypes (one lost off pin). 621.

Limosina exigua Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, pp. 454-455. 2 ♂, 2 ♀ syntypes (one with head missing). 622.

Limosina marginata Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 200. 3 ♂, 1 ♀ syntypes and one with abdomen missing. 781.

Limosina obtusipennis Stenhammar, 1855, Svenska Vetenskapsakademien, Stockholm, Handlingar 1853, p. 422. 1 ♀ syntype. 619.

Limosina occidentalis Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, p. 455. ♂ holotype. 623.

Limosina setigera Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 5, p. 223. 2 ♀ syntypes. 624.

Limosina sordipes Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, p. 455. 1 ♂, 3 ♀ syntypes. 625.

BORBORIDAE—Paratypes

Leptocera abundans Spuler. 2 ♂. 617.

Leptocera longicosta Spuler. 2 ♂. 618.

Leptocera michigana Sabrosky. 2 ♂, 3 ♀. 4077.

CALLIPHORIDAE

Chrysomyia desvoidyi Hough, 1900, Kans. Univ. Quart., vol. 9, no. 3, p. 208. 2 ♂ syntypes. 551.

Chrysomyia wheeleri Hough, 1899, Zool. Bull., vol. 2, no. 6, p. 284. 2 ♂ syntypes. 554.

Melanodexia tristis Williston, 1893, N. Amer. Fauna, No. 7, Dipt. of Death Valley Exped., part 2, p. 257. ♂ holotype. 5806.

Paracompsomyia houghi Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 201. 3 ♂, 2 ♀ syntypes. 553.

Paracompsomyia splendida Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 202. 8 ♂, 4 ♀ syntypes. 555.

Paracompsomyia verticalis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 202. ♀ holotype. 552.

CALLIPHORIDAE—Paratypes

Acronesia abina Hall. 1 ♂. 3400.

Apaulina basingeri Hall. 6 ♂. 3402.

Calliphora grahami Aldrich. 1 ♂, 1 ♀. 556.

Calliphora livida Hall. 6 ♂, 6 ♀. 3401.

Lucilia pallescens Shannon. 1 ♂, 1 ♀. 558.

Thelychaeta villeneuvei Curran. 1 ♂, 1 ♀. 557.

CALOBATIDAE

Calobata pleuritica Johnson, 1894, Proc. Acad. Nat. Sci. Phila., pp. 279-280. 4 ♀ syntypes. 671.

CECIDOMYIIDAE

Cecidomyia atriplicis Townsend, 1893, Amer. Naturalist, vol. 27, no. 11, p. 1021 (gall only). See: Cockerell, T. D. A., 1895, Amer. Naturalist, vol. 29, no. 8, pp. 766-767. ♀ holotype. 51.

Diplosis pini-radiatae Snow, 1900, Ent. News, vol. 11, no. 6, p. 491. 1 ♂, 3 ♀ syntypes. 52.

CERATOPOGONIDAE

Ceratopogon dimidiatus Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 27. 4 ♀ syntypes. 18.

Ceratopogon flavus Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 280. 1 ♂ syntype. 19.

Tersesthes torrens Townsend, 1893, Psyche, vol. 6, no. 201, p. 371. 1 ♀ syntype. 4661.

CERATOPOGONIDAE—Paratypes

Culicoides palmerae James. 4 ♂, 4 ♀. 3370.

Johannseniella flavidula Malloch. 1 ♂, 1 ♀. 30.

Johannsenomyia albibasis Malloch. 1 ♂, 1 ♀. 29.

Probezzia pallida Malloch. 1 ♂. 5579.

CHIRONOMIDAE

Ablabesmyia aurea Johannsen, 1907, Univ. Kans. Sci. Bull., vol. 4, no. 1, p. 110. ♀ holotype. 17.

Chironomus anonymus Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 274. ♂ holotype. 21.

Chironomus flaviventris Johannsen, 1907, Univ. Kans. Sci. Bull., vol. 4, no. 2, p. 111. 1 ♂ lectotype (genitalia missing), 1 ♂ (abdomen and antennae missing) and 1 ♀ lectoparatypes, Townes, 1945, Amer. Midland Nat., vol. 34, no. 1, p. 59. 22.

Chironomus longimanus Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 274. 1 ♂ syntype. 23.

Chironomus lucifer Johannsen, 1907, Univ. Kans. Sci. Bull., vol. 4, no. 2, p. 110. 1 ♂ lectotype, Townes, 1945, Amer. Midland Nat., vol. 34, no. 1, p. 108. 24.

Harnischia (Cladopelma) orbicus Townes, 1945, Amer. Midland Nat., vol. 34, no. 1, pp. 151-152. ♂ holotype. 3107.

Tanytarsus (Stictochironomus) albicrus Townes, 1945, Amer. Midland Nat., vol. 34, no. 1, p. 79. ♀ holotype. 3112.

Chironomidae—Paratypes

Chironomus basalis Malloch. 1 ♀. 27.

Chironomus cinereus Townes. 2 ♂, 3 ♀ and 2 with abdomens missing. 3105.

Chironomus dimorphus Malloch. 1 ♂, 1 ♀. 20.

Chironomus illinoensis Malloch. 1 ♂, 1 ♀. 31.

Chironomus senilis Johannsen. 1 ♂. 5843.

Glyptotendipes musculus Townes. 25 ♂, 9 ♀. 3103.

Glyptotendipes testaceus Townes. 5 ♂. 3104.

Harnischia (Harnischia) collator Townes. 2 ♂. 3108.

Harnischia (Harnischia) emorsa Townes. 1 ♂. 3109.

Orthocladius (Trichocladius) distinctus Malloch. 1 ♂. 33.

Orthocladius distinctus basalis Malloch. 1 ♂, 1 ♀. 5844.

Polypedilum (Polypedilum) ophioides Townes. 1 ♂. 3350.

Pseudochironomus richardsoni Malloch. 1 ♂. 28.

Tanytarsus dubius Malloch. 1 ♂. 32.

Tanytarsus (Stictochironomus) varius Townes. 1 ♂. 3113.

Tendipes (Tendipes) carus Townes. 1 ♀. 3110.

Tendipes (Chaetolabis) ochreatus Townes. 1 ♂. 3106.

Xenochironomus scopula Townes. 1 ♂. 3585.

Xenochironomus virgatior Townes. 1 ♂. 5845.

Chloropidae

Chlorops albifascies Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 1, p. 42. 2 ♂, 1 ♀ syntypes (one with head missing). 698.

Chlorops appropinqua Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 1, pp. 39-40. 4 ♀? syntypes (one with head missing, one with broken abdomen). 699.

Chlorops bilineata Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 1, p. 40. ♂ holotype. 700.

Chlorops cinerapennis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 1, p. 40. 2 ♂ syntypes. 701.

Chlorops halteralis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 1, pp. 41-42. ♀ holotype. 702.

Chlorops ingrata Williston, 1893, Bull. Ohio Agr. Exper. Sta., Tech. Ser. 1, no. 3, pp. 156-157. 1 ♂, 1 ♀ syntypes. 704.

Chlorops liturata Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 1, pp. 40-41. 2 ♂ and 2 damaged syntypes. 703.

Chlorops parva Adams, Univ. Kans. Sci. Bull., vol. 2, no. 1, pp. 42-43. ♀? holotype (head missing). 705.

Chlorops recurva Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 1, p. 41. ♀ holotype. 706.

Chlorops rubicunda Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 1, p. 43. 3 ♀ syntypes. 707.

Chlorops trimaculata Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 196-197. ♀ ? holotype (tip of abdomen missing). 772.

Crassiseta atricornis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 190-191. ♀ lectotype, ♂ lectoallotype, 1 ♂, 1 ♀ lectoparatypes, Sabrosky, 1951, Ruwenzori Expedition 1934-5, British Museum (Natural History), vol. 2, no. 7, p. 795. 767.

Crassiseta conjuncta Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 190. ♂ lectotype, ♀ lectoallotype, Sabrosky, 1951, Ruwenzori Expedition 1934-5, British Museum (Natural History), vol. 2, no. 7, p. 787. 769.

Crassiseta scapularis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 189. ♂ lectotype, ♀ lectoallotype, Sabrosky, 1951, Ruwenzori Expedition 1934-5, British Museum (Natural History), vol. 2, no. 7, pp. 794-795. 771.

Crassiseta tarda Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 189. ♀ lectotype, ♂ lectoallotype, Sabrosky, 1951, Ruwenzori Expedition 1934-5, British Museum (Natural History), vol. 2, no. 7, p. 790. 768.

Crassiseta tuberculata Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 191. ♀ holotype. 770.

Crassiseta vulgaris Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 191-192. ♂ lectotype, ♀ lectoallotype, 50 ♂ and ♀ lectoparatypes, Sabrosky, 1951, Ruwenzori Expedition 1934-5, British Museum (Natural History), vol. 2, no. 7, pp. 795-796. 779.

Elachiptera bilineata Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, p. 453. ♀ holotype. 713.

Elachiptera tau Sabrosky, 1948, Jour. Wash. Acad. Sci., vol. 38, no. 11, p. 374. ♀ holotype. 3838.

Haplegis scutellaris Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 196. ♀ ? holotype. 747.

Hippelates splendens Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, p. 453. ♀ holotype. 714.

Madiza submarginalis Sabrosky, 1935, Jour. Kans. Ent. Soc., vol. 8, no. 3, p. 111. ♀ allotype. 3097.

Meromyza opaca Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 193. ♂ lectotype, ♀ lectoallotype, 22 ♂ and 35 ♀ lectoparatypes, Sabrosky, 1956, Jour. Kans. Ent. Soc., vol. 29, no. 1, p. 20. 777.

Oscinella beameri Sabrosky, 1940, Canadian Ent., vol. 72, no. 11, pp. 221-222. ♀ holotype. 3091.

Oscinella hesperia Sabrosky, 1940, Canadian Ent., vol. 72, no. 11, p. 219. ♂ holotype, ♀ allotype, 79 ♂ and ♀ paratypes. 3084.

Oscinis basilaris Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 192. ♂ lectotype, ♀ lectoallotype, Sabrosky, 1956, Jour. Kans. Ent. Soc., vol. 29, no. 1, p. 20. 773.

Oscinis collusor Townsend, 1895, Proc. Calif. Acad. Sci., vol. 4, pp. 619-620. ♀ lectotype, 2 ♀ lectoparatypes (one with head missing), Sabrosky, 1941, Canadian Ent., vol. 73, p. 26. 715.

Oscinis incipiens Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 424-425. 1 ♀ syntype, 2 broken syntypes, one with broken abdomen, the other without head. 716.

Oscinis polita Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 192. ♀ holotype. 750.

Pachylophus fossulata Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 195-196. ♂ lectotype, ♀ lectoallotype, 6 ♂ and 4 ♀ lectoparatypes, Sabrosky, 1956, Jour. Kans. Ent. Soc., vol. 29, no. 1, pp. 20-21. 774. There are three additional specimens of the original syntypic series not conspecific with the lectotype and accordingly not made lectoparatypes by Sabrosky.

There is also a damaged specimen from the original series that was not available at the time of lectotype designation.

Pachylophus proxima Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 194-195. ♂ lectotype, ♀ lectoallotype, 27 ♂ and 36 ♀ lectoparatypes, Sabrosky, 1956, Jour. Kans. Ent. Soc., vol. 29, no. 1, p. 20. 783. There are an additional 82 ♂ and ♀ specimens from the original syntypic series which were apparently not sent to Sabrosky at the time of lectotype designation.

Pachylophus splendida Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 193-194. ♀? holotype. 748.

Pachylophus varipes Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 195. ♂ lectotype, ♀ lectoallotype, 35 ♂ and ♀ lectoparatypes, Sabrosky, 1956, Jour. Kans. Ent. Soc., vol. 29, no. 1, p. 20. 759. Sabrosky lists only 3 ♀ lectoparatypes.

Thaumatomyia apache Sabrosky, 1943, Canadian Ent., vol. 75, no. 6, pp. 111-112. ♂ holotype, ♀ allotype, 143 ♂ and ♀ paratypes. 3528.

Tricimba occidentalis Sabrosky, 1938, Jour. N. Y. Ent. Soc., vol. 46, no. 4, pp. 431-432. ♀ holotype, 3 ♀ paratypes. 2942.

Chloropidae—Paratypes

Ectecephala sulcata Sabrosky. 1 ♀. 3090.
Elachiptera angustistylum Sabrosky. 4 ♀. 3834.
Elachiptera californica Sabrosky. 1 ♂. 3836.
Elachiptera erythropleura Sabrosky. 4 ♂, 8 ♀. 3839.
Elachiptera knowltoni Sabrosky. 1 ♂, 1 ♀. 3835.
Elachiptera willistoni Sabrosky. 1 ♂. 3837.
Hippelates bishoppi Sabrosky. 3 ♂, 22 ♀. 3365.
Hippelates hermsi Sabrosky. 1 ♂. 3364.
Hippelates montanus Sabrosky. 6 ♂, 8 ♀. 3362.
Hippelates robertsoni Sabrosky. 2 ♂, 16 ♀. 3363.
Lasiopleura barberi Sabrosky. 2 ♂, 2 ♀. 5474.
Lasiopleura grisea Malloch. 2 ♂ lectoparatypes. 3095.
Lasiopleura panamensis Malloch. 2 ♂, 2 ♀ lectoparatypes. 3096.
Madiza trivittata Sabrosky. 1 ♀. 2943.
Melanochaeta kaw Sabrosky. 1 ♀. 3833.
Oscinella fronto-orbitalis Sabrosky. 2 ♀. 3085.
Oscinella grandissima Sabrosky. 1 ♀. 3087.
Oscinella grisescens Sabrosky. 1 ♂, 1 ♀. 3088.
Oscinella luteiceps Sabrosky. 1 ♂. 3094.
Oscinella neocoxendix Sabrosky. 1 ♂, 2 ♀. 3093.
Oscinella ochripes Sabrosky. 1 ♂, 1 ♀. 3092.
Oscinella painteri Sabrosky. 3 ♀. 3086.
Oscinella triorbiculata Sabrosky. 4 ♀. 3089.
Thaumatomyia rubrivittata Sabrosky. 1 ♂, 2 ♀. 3529.

Coenomyiidae

Arthroceras pollinosum Williston, Ent. Americana, vol. 2, no. 6, p. 108. 1 ♂, 1 ♀ syntypes. 5846.

Subula parens Williston, 1885, Canadian Ent., vol. 17, no. 7, pp. 122-123. ♀ holotype. 614.

Xylophagus decorus Williston, 1885, Canadian Ent., vol. 17, no. 7, p. 121. ♀ holotype. 612.

Xylophagus gracilis Williston, 1885, Canadian Ent., vol. 17, no. 7, p. 121. 1 ♂, 1 ♀ syntypes. 613.

Conopidae

Conops affinis Williston, 1882, Trans. Conn. Acad., vol. 4, pp. 339-340. ♀ holotype. 300.

Conops bellus Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 44. ♂ holotype. 292.

Conops burgessi Williston, 1882, Trans. Conn. Acad., vol. 4, p. 337. 3 ♀ syntypes. 301.

Conops fronto Williston, 1885, Trans. Conn. Acad., vol. 6, pp. 378-379. 1 ♂, 1 ♀ syntypes, and 1 syntype with abdomen missing. 295.

Conops fumipennis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, pp. 43-44. 6 ♀ syntypes. 294.

Conops furcillatus Williston, 1882, Trans. Conn. Acad., vol. 4, pp. 336-337. 3 ♀ syntypes. 302.

Conops gracilis Williston, 1885, Trans. Conn. Acad., vol. 6, pp. 377-378. ♀ holotype. 296.

Conops obscuripennis Williston, 1882, Trans. Conn. Acad., vol. 4, pp. 328-329. ♀ holotype. 293.

Conops semifumosus Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 44. 2 ♂, 1 ♀ syntypes. 297.

Conops sylvosus Williston, 1882, Trans. Conn. Acad., vol. 4, pp. 329-330. ♀ holotype. 298.

Conops xanthopareus Williston, 1882, Trans. Conn. Acad., vol. 4, pp. 332-333. ♂ holotype. 299.

Dalmannia picta Williston, 1883, Trans. Conn. Acad., vol. 6, p. 94. ♀ holotype. 311.

Myopa pictipennis Williston, 1885, Trans. Conn. Acad., vol. 6, pp. 382-383. 3 ♂, 1 ♀ syntypes. 318.

Myopa pilosa Williston, 1885, Trans. Conn. Acad., vol. 6, pp. 383-384. ♀ holotype. 316.

Myopa plebia Williston, 1885, Trans. Conn. Acad., vol. 6, pp. 384-385. 1 ♂, 2 ♀ syntypes. 317.

Myopa tectura Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, pp. 35-36, ♀ holotype. 319.

Oncomyia baroni Williston, 1883, Trans. Conn. Acad., vol. 6, pp. 97-98. 3 ♂, 1 ♀ syntypes. 312.

Oncomyia modesta Williston, 1883, Trans. Conn. Acad., vol. 6, p. 96. 3 ♂, 1? (abdomen missing) syntypes. 313.

Oncomyia modesta melanopoda Williston, 1883, Trans. Conn. Acad., vol. 6, p. 96. 1 ♂, 1? (abdomen missing) syntypes. 314.

Oncomyia propinqua Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, pp. 32-33. ♂ holotype. 315.

Stylogaster neglecta Williston, 1883, Trans. Conn. Acad., vol. 6, pp. 91-92. 2 ♀ syntypes. 310.

Zodion abitus Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, pp. 33-34. 1 ♂, 1? (abdomen missing) syntypes. 303.

Zodion bicolor Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 35. 2 ♀ syntypes. 304.

Zodion leucostoma Williston, 1885, Trans. Conn. Acad., vol. 6, p. 380. 1 ♂, 2 ♀ syntypes. 305.

Zodion parvis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, pp. 34-35. 2 ♂ syntypes. 306.

Zodion pictulum Williston, 1885, Trans. Conn. Acad., vol. 6, pp. 379-380. 1 ♀ syntype. 308.

Zodion pygmaeum Williston, 1885, Trans. Conn. Acad., vol. 6, p. 381. 1 ♂, 4 ♀ syntypes. 307.

Zodion scapularis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 34. ♀ holotype. 309.

Conopidae—Paratypes

Myopa boharti Camras. 1 ♀. 4612.

Myopa perplexa Camras. 1 ♂, 1 ♀. 4613.

Zodion cyanescens Camras. 1 ♂. 5772.

Cordyluridae

Cleigastra suisterci Townsend, 1891, Canadian Ent., vol. 23, no. 7, pp. 153-155. 1 ♀ syntype. 4665.

Cordyluridae—Paratypes

Cordilura (Cordilurina) albicoxa James. 2 ♂. 5159.

Culicidae

Culex affinis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 25. ♀ holotype. 35. Type on indefinite loan to U. S. National Museum.

Culex apicalis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 26. ♀ lectotype, 1 ♀ lectoparatype, Stone, 1958, Jour. Kans. Ent. Soc., vol. 31, no. 3, p. 236. 36. Types on indefinite loan to U. S. National Museum.

Culex particeps Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, pp. 26-27. ♀ lectotype, 1 ♂, 2 ♀ lectoparatypes, Stone, 1958, Jour. Kans. Ent. Soc., vol. 31, no. 3, p. 237. 37. Lectotype, 1 ♂ and 1 ♀ lectoparatypes on indefinite loan to U. S. National Museum.

Culicidae—Paratypes

Psorophora longipalpis Roth. 1 ♀. 3544.

Cuterebridae

Cuterebra beameri Hall, 1943, Proc. Ent. Soc. Wash., vol. 45, no. 1, p. 25. ♂ holotype, 1 ♀ paratype. 3447.

Diopsidae

Diopsis affinis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 45. ♀ holotype. 672.

Diopsis pollinosus Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 45. ♀ holotype. 674.

Teleopsis nitidus Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 46. ♀ ? holotype. 673.

Dolichopodidae

Anepsius linearis Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 317-318. 3 ♂, 3 ♀ syntypes (one ♂ without head). 243.

Asyndetus caudatus Van Duzee, 1916, Psyche, vol. 23, no. 3, pp. 92-93. ♂ holotype. 227.

Asyndetus fratellus Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 332-333. 4 ♀ syntypes. 228.

Asyndetus latus Van Duzee, 1916, Psyche, vol. 23, no. 3, pp. 91-92. ♂ holotype. 229.

Asyndetus spinitarsis Harmston, 1951, Jour. Kans. Ent. Soc., vol. 24, no. 3, pp. 108-109. ♂ holotype. 5781.

Asyndetus texanus Van Duzee, 1916, Psyche, vol. 23, no. 3, p. 90. ♂ holotype, ♀ allotype. 230.

Chrysotimus occidentalis Harmston, 1951, Jour. Kans. Ent. Soc., vol. 24, no. 3, p. 109. ♂ holotype, ♀ allotype, 45 ♂ and ♀ paratypes. 5779.

Chrysotus albipalpus Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 327. 2 ♂, and 1 ♀ syntypes. 231.

Chrysotus arkansensis Van Duzee, 1930, Canadian Ent., vol. 62, no. 4, pp. 84-85. ♂ holotype, ♀ allotype, 2 ♂, 1 ♀ paratypes (1 ♂ missing head, ♀? missing abdomen). 2935. (The generic name was spelled *Chrusotus* in the original description, but this is regarded as a misspelling.)

Chrysotus excisus Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 325-326. 1 ♂, 1 ♀, 2? (1 without abdomen and part of head, 1 with head only remaining) syntypes. 232.

Chrysotus hirsutus Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 328. 4 ♀ syntypes. 233.

Chrysotus intrudus Harmston, 1951, Jour. Kans. Ent. Soc., vol. 24, no. 3, pp. 107-108. ♂ holotype, ♀ allotype, 2 ♂ paratypes. 5778.

Chrysotus niger Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 327. 1 ♂ syntype. 234.

Chrysotus proximus Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 326. 1 ♂, 2 ♀ syntypes (1 ♀ without head). 235.

Dactylomyia gracilipes Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 3, pp. 151-152. 2 ♂, 2 ♀ syntypes. 241.

Diaphorus approximatus Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 321. 2 ♂ syntypes. 225.

Diaphorus contiguus Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 323. 1 ♂ syntype. 220.

Diaphorus dubius Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 324-325. 1 ♀ syntype (head missing) and 1? syntype lost off pin. 221.

Diaphorus flavipes Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 323-324. 2 ♂, 2 ♀ syntypes. 222.

Diaphorus insulanus Van Duzee, 1930, Canadian Ent., vol. 62, no. 4, pp. 86-87. ♂ holotype, 2 ♂ paratypes. 2937.

Diaphorus snowii Van Duzee, 1917, Psyche, vol. 24, no. 2, pp. 36-37. ♂ holotype. 223.

Diaphorus vulsus Van Duzee, 1917, Psyche, vol. 24, no. 2, pp. 38-39. ♂ holotype, ♀ allotype. 226.

Dolichopus accidentalis Harmston & Knowlton, 1941, Jour. Kans. Ent. Soc., vol. 14, no. 3, p. 93. ♂ holotype. 5780.

Dolichopus agilis Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 16 (note: this name preoccupied, so species renamed on p. 26 of same paper as *D. coloradensis*). 1 ♂, 2 ♀ syntypes. 252.

Dolichopus albicoxa Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 10. 2 ♀ syntypes. 249.

Dolichopus angustatus Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 15. ♂ holotype. 250.

Dolichopus arizonicus Harmston, 1951, Jour. Kans. Ent. Soc., vol. 24, no. 3, pp. 103-104. ♂ holotype, ♀ allotype, 4 ♂ and 3 ♀ paratypes (1 ♂ and 1 ♀ with heads missing). 5782.

Dolichopus beameri Harmston & Knowlton, 1941, Jour. Kans. Ent. Soc., vol. 14, no. 3, pp. 92-93. ♂ holotype, ♀ allotype, 1 ♂ paratype. 3066.

Dolichopus coloradensis Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 16. (new name for *D. agilis,* which see). 1 ♂, 2 ♀ syntypes. 252.

Dolichopus convergens Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 9. 4 ♂ syntypes. 253.

Dolichopus dakotensis Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 11. 2 ♂ syntypes. 254.

Dolichopus duplicatus Aldrich, 1893, Kansas Univ. Quart., vol. 2, no. 1, p. 18. ♂ holotype. 255.

Dolichopus grandis Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, pp. 21-22. 1 ♂, 1 ♀ syntypes. 256.

Dolichopus kansensis Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, pp. 8-9. ♂ holotype. 257.

Dolichopus marginatus Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 17. 2 ♂, 2 ♀ syntypes. 259.

Dolichopus neomexicanus Harmston, 1951, Jour. Kans. Ent. Soc., vol. 24, no. 3, pp. 104-105. ♂ holotype. 5783.

Dolichopus obcordatus Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, pp. 14-15. 2 ♂, 2 ♀ syntypes. 260.

Dolichopus occidentalis Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 19. 2 ♂ syntypes. 261.

Dolichopus plumosus Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 18. 2 ♂ syntypes. 262.

Dolichopus silvicolus Harmston, 1951, Jour. Kans. Ent. Soc., vol. 24, no. 3, pp. 106-107. ♂ holotype. 5784.

Dolichopus tenuipes Aldrich, 1894, Kans. Univ. Quart., vol. 2, no. 3, pp. 155-156. 2 ♂, 2 ♀ syntypes. 263.

Dolichopus vigilans Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, pp. 13-14. 1 ♂, 1 ♀ syntypes. 264.

Dolichopus willistonii Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, pp. 22-23. 4 ♂ syntypes (1 missing head). 265.

Eutarsus sinuatus Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 334-335. 1 ♂, 1? (damaged) syntypes. 236.

Hercostomus chaetilamellus Harmston & Knowlton, 1941, Canadian Ent., vol. 73, no. 1, pp. 127-129. ♂ holotype. 3062.

Hercostomus latipes Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 311-312. 2 ♂, 1 ♀ syntypes (♀ without head). 266.

Hercostomus (Gymnopternus) pallidiciliatus Van Duzee, 1930, Canadian Ent., vol. 62, no. 4, p. 85. ♂ holotype, ♀ allotype. 2926.

Hygroceleuthus ciliatus Aldrich, 1893, Kans. Univ. Quart., vol. 2, no. 1, p. 25. 2 ♀ syntypes. 251.

Hygroceleuthus idahoensis Aldrich, 1894, Kans. Univ. Quart., vol. 2, no. 3, p. 154. 2 ♂, 1 ♀ syntypes (one ♂ with head missing). 2927.

Leptocorypha pavo Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 316-317. 1 ♂ syntype. 2931.

Liancalus hydrophilus Aldrich, 1893, Psyche, vol. 6, no. 212, pp. 567-571. 1 ♂, 3 ♀, 1? (abdomen missing) syntypes. 247.

Liancalus similis Aldrich, 1893, Psyche, vol. 6, no. 212, p. 571. 1 ♂, 2 ♀ syntypes. 248.

Lyroneurus simplex Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 333-334. 2 ♂, 1 ♀ syntypes. 218.

Medeterus albosetosa Van Duzee, 1928, Psyche, vol. 35, no. 1, pp. 36-37. ♂ holotype. 712.

Medeterus alpinus Harmston & Knowlton, 1941, Jour. Kans. Ent. Soc., vol. 14, no. 3, pp. 95-96. ♂ holotype. 3061.

Metapelastoneurus kansensis Aldrich, 1894, Kans. Univ. Quart., vol. 2, no. 3, p. 153. 2 ♂ syntypes. 275.

Neurigona signifera Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 337. 1 ♂ syntype (head missing). 2932.

Nothosympycnus abbreviatus Van Duzee, 1917, Canadian Ent., vol. 49, no. 10, p. 341. ♂ holotype. 240.

Paraclius elongatus Van Duzee, 1930, Ent. News, vol. 41, no. 3, pp. 72-73. ♂ holotype, ♀ allotype. 2925.

Paraclius filiferus Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 314-315. 2 ♂, 2 ♀ syntypes (both ♀ lack heads). 268.

Paraclius flavicornis Van Duzee, 1918, Ent. News, vol. 29, no. 2, p. 48. 2 ♀ syntypes. 270.

Paraclius nigrocaudatus Van Duzee, 1918, Ent. News, vol. 29, no. 2, pp. 47-48. ♂ holotype. 271.

Paraclius venustus Aldrich, 1901, Biologia Centr. Amer., Dipt., vol. 1, pp. 340-341. 3 ♂ syntypes and 1 syntype lost off pin. 269.

Parhydrophorus canescens Wheeler, 1896, Ent. News, vol. 7, no. 6, pp. 187-189. 1? syntype (abdomen, head, wings and 3 legs missing). 246.

Pelastoneurus argentiferus Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 313-314. 1 ♂, 1 ♀ syntypes (both badly damaged by dermestids). 274.

Pelastoneurus lineatus Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 312-313. 3 ♂, 1 ♀ syntypes. 2930.

Pelastoneurus seticauda Van Duzee, 1930, Canadian Ent., vol. 62, no. 4, pp. 85-86. ♂ holotype. 2936.

Polymedon flavitibialis Van Duzee, 1930, Ent. News, vol. 41, no. 3, pp. 71-72. ♂ holotype. 2928.

Polymedon nigrifemoratus Van Duzee, 1927, Ann. Ent. Soc. Amer., vol. 20, no. 1, pp. 125-126. ♂ neallotype, Harmston, 1941, Jour. Kans. Ent. Soc., vol. 14, no. 3, pp. 96-97. 3067.

Polymedon superbus Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 318-320. 2 ♂ syntypes (both without head). 2933.

Psilopodinus crinitus Aldrich, 1904, Trans. Amer. Ent. Soc., vol. 30, p. 283. 1 ♂, 2 ♀ syntypes (♂ without head). 1975.

Psilopodinus pilicornis Aldrich, 1904, Trans. Amer. Ent. Soc., vol. 30, p. 282. 2 ♂, 2 ♀ syntypes. 1976.

Psilopus insularis Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 344-345. 2 ♀ syntypes. 219.

Sympycnus frater Aldrich, 1902, Univ. Kans. Sci. Bull., vol. 1, no. 3, pp. 83-84. ♀ holotype. 239. (The generic name was spelled *Sympyonus* in the original description, but this is regarded as a misspelling.)

Sympycnus hardyi Harmston, 1940, Ann. Ent. Soc. Amer., vol. 33, no. 2, pp. 397-398. ♂ holotype, ♀ allotype, 2 ♂, 2 ♀ paratypes. 4477.

Sympycnus occidentalis Aldrich, 1894, Kans. Univ. Quart., vol. 2, no. 3, pp. 153-154. 1 ♀, 1? (without abdomen) syntypes. 238.

Sympycnus thoracicus Van Duzee, 1930, Pan-Pacific Ent., vol. 7, no. 2, pp. 51-52. ♂ holotype. 2934.

Thinophilus pectinifer Wheeler, 1896, Ent. News, vol. 7, no. 5, p. 155. ♀ holotype (head missing). 242.

Thrypticus parvulus Van Duzee, 1930, Canadian Ent., vol. 62, no. 4, pp. 86-87. ♂ holotype, ♀ allotype. 2939.

Xanthotricha cupulifera Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 339-340. 3 ♀ syntypes. 244.

Xanthotricha singularis Aldrich, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 340-341. 2 ♀ syntypes. 245.

DOLICHOPODIDAE—Paratypes

Argyra flavicornis Van Duzee. 1 ♂, 1 ♀. 237.

Dolichopus vernaae Harmston & Knowlton. 1 ♂, 1 ♀. 3069.

Hercostomus albipodus Harmston & Knowlton. 1 ♂. 3063.

Hercostomus cryptus Harmston & Knowlton. 1 ♂, 1 ♀. 3064.

Hercostomus torridus Harmston & Knowlton. 1 ♂, 1 ♀. 3065.
Polymedon dilaticosta Van Duzee. 1 ♂, 1 ♀. 272.
Syntormon uintaensis Harmston & Knowlton. 1 ♀. 3078.
Tachytrechus tahoensis Harmston & Knowlton. 1 ♀. 3077.
Tachytrechus utahensis Harmston & Knowlton. 1 ♀. 3076.
Teuchophorus diminucosta Harmston & Knowlton. 1 ♀. 3071.
Teuchophorus utahensis Harmston & Knowlton. 2 ♀. 3070.

DROSOPHILIDAE

Drosophila apicifera Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 185. ♀ holotype. 733.

Drosophila basilaris Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 184. 6 ♂, 3 ♀ syntypes. 760.

Drosophila coffeata Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 409-410. 1 ♂ syntype (head missing). 717.

Drosophila facialis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 183. ♂ holotype (specimen lost off pin). 734.

Drosophila flaviseta Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 184. ♀ holotype. 737.

Drosophila mansura Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 185. ♀ holotype. 738.

Drosophila mutabilis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 187-188. 7 ♂, 2 ♀ syntypes, plus 1 ♀ off pin, and 13 ♂ and ♀ syntypes subsequently determined as belonging to other species. 778.

Drosophila ornatipennis Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 407. 1 ♂, 1 ♀ syntypes. 719.

Drosophila pallida Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 415. 1 ♂, 2 ♀, 1? (without abdomen) syntypes. 720.

Drosophila palpalis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 185-186. ♂ holotype. 739.

Drosophila proxima Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 186. 1 ♂, 2 ♀ syntypes. 736.

Drosophila quadrimaculata Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 182-183. ♂ holotype. 735.

EMPIDIDAE

Drapetis flavidus Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 308. 1 ♀ syntype. 393.

Drapetis xanthopodus Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 308. 1 ♀ syntype. 708. The specimen bears only a red, hand lettered label with an unpublished name indicating "yellow head." It seems likely this is a slip of the pen in transcribing the name *flavipes*, a name used for *xanthopodus* on p. 441 of the work cited above (see also Melander, A. L., 1902, Trans. Amer. Ent. Soc., vol. 28, p. 212). The specimen agrees with the description of *xanthopodus*.

Elaphropeza dispar Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 157-158. 4 ♂, 4 ♀ syntypes. 711.

Empis sociabilis Williston, 1893, Kans. Univ. Quart., vol. 2, no. 2, p. 76. 2 ♂, 2 ♀ syntypes. 278.

Empis validis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 158. ♂ holotype. 5848.

Hilara nugax Melander, 1902, Trans. Amer. Ent. Soc., vol. 28, p. 273. ♀ holotype. 277.

Parathalassius aldrichi Melander, 1906, Ent. News, vol. 17, no. 10, pp. 374-375. ♂ holotype. 276.

Stilpon obscuripes Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 156-157. 2 ♀ syntypes. 710.

Thinodromia inchoata Melander, 1906, Ent. News, vol. 17, no. 10, p. 370. ♂ holotype. 267.

Empididae—Paratypes

Empis browni Curran. 1 ♂. 1741.

Empis (Pachymeria) montiradicis James. 2 ♂, 2 ♀. 3348.

Hilara juno Curran. 1 ♂, 1 ♀. 1740.

Ephydridae

Allotrichoma lacteum Cresson, 1926, Trans. Amer. Ent. Soc., vol. 52, pp. 252-253. ♂ holotype, ♀ allotype. 696.

Caenia albifacies Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 181. 1 ♂, 2 ♀ (one ♀ missing head) syntypes. 752.

Dichaeta atriventris Cresson, 1915, Ent. News, vol. 26, no. 2, p. 68. ♂ holotype. 675.

Discocerina obscura Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 397. 2 ♂? syntypes. 678.

Discomyza dubia Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 392. 1 ♂, 3 ♀? syntypes. 679.

Ephydra pectinulata Cresson, 1916, Ent. News, vol. 27, no. 4, pp. 151-152. ♂ holotype, ♀ allotype, 1 ♂, 1 ♀ paratypes. 682.

Ephydra pygmaea Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 402. ♂ holotype. 683.

Ephydra tarsata Williston, 1893, North Amer. Fauna, no. 7, Dipt. of Death Valley Exped., part 2, pp. 257-258. ♂? holotype. 684.

Hyadina longicornis Sturtevant & Wheeler, 1953, Trans. Amer. Ent. Soc., vol. 79, p. 214. ♀? holotype. 5140. Sex of type not indicated in original description.

Ilythea flaviceps Cresson, 1916, Ent. News, vol. 27, no. 4, pp. 147-148. ♀ holotype. 685.

Notiphila confinis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 178. 5 ♂, 2 ♀ syntypes (2 ♂, 1 ♀ missing heads). 765.

Notiphila decoris Williston, 1893, North Amer. Fauna, no. 7, Dipt. of Death Valley Exped., part 2, p. 258. ♂? holotype. 688.

Notiphila varitarsus Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 177. 46 ♂ and ♀ syntypes. 766.

Ochthera subtilis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 180. 1 ♂, 8 ♀ syntypes. 745.

Ochtheroidea atra Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 401-402. ♂ holotype. 690.

Paralimna multipunctata Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 390-391. 1 ♂, 1 ♀ syntypes. 691.

Paralimna nigripes Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 178. 126 ♂ and ♀ syntypes. 763.

Paralimna obscura Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 391. 1 ♂, 1 ♀? syntypes and 1 lost off pin. 692.

Paralimna ornatipennis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 179. 1 ♂, 4 ♀ syntypes. 687.

Parydra tibialis Cresson, 1916, Ent. News, vol. 27, no. 4, pp. 150-151. ♂ holotype, ♀ allotype, 9 ♀ paratypes. 694.

Typopsilopa flavitarsis Cresson, 1916, Ent. News, vol. 27, no. 4, p. 147. ♂ holotype, 1 ♂ paratype. 695.

HELOMYZIDAE

Blepharoptera specus Aldrich, 1896, 21st Report, State Geologist of Indiana, pp. 189-190. ♂ holotype. 2938.

HELOMYZIDAE—Paratypes

Acantholeria oediemus Garrett. 4 ♂, 3 ♀. 2984.
Helomyza americana Garrett. 5 ♂, 6 ♀. 2986.
Suilla loewi Garrett. 2 ♂, 3 ♀. 2985.

HIPPOBOSCIDAE

Trichobius dugesii Townsend, 1891, Ent. News, vol. 2, no. 6, p. 106. ♀? holotype. 726.

HIPPOBOSCIDAE—Paratypes

Lipoptena ferrisi Bequaert. 3 ♂. 1801.

LAUXANIIDAE

Pachycerina dolorosa Williston, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 37. 4 ♀ syntypes. 629.

Pachycerina vaga Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 172-173. 2 ♀ syntypes. 742.

Physogenua bimaculata Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 171. ♂ holotype. 740.

Sapromyza africana Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 171-172. 1 ♂, 1 ♀ syntypes. 764.

Sapromyza ingrata Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 385. 3 ♀? syntypes. 630.

Sapromyza ocellaris Townsend, 1893, Canadian Ent., vol. 24, no. 12, pp. 303-304. ♀? holotype. 4662.

Sapromyza octovittata Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 382. ♀? holotype (head missing). 631.

Sapromyza puella Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 381. 3 ♂? syntypes (1 with head missing). 633.

Sapromyza sororia Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 385. 2 ♂, 2 ♀ syntypes. 634.

LONCHAEIDAE

Dasiops alveofrons McAlpine. 1 ♂ paratype. 6049.

LONCHOPTERIDAE

Lonchoptera africana Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 159. ♀ holotype. 741.

MYCETOPHILIDAE

Ceroplatus apicalis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 22. ♂ holotype. 39.

Macrocera diluta Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 22. 1 ♂, 1 ♀ syntypes. 48.

Neoglaphyroptera cuneola Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 25. ♀ holotype. 46.

Neoglaphyroptera lineola Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 25. ♀ holotype. 47.

Neoglaphyroptera striata Williston, 1893, Kans. Univ. Quart., vol. 2, no. 2, p. 60. ♂ holotype. 5856.

Platyura gracilis Williston, 1893, Kans. Univ. Quart., vol. 2, no. 2, p. 60. ♂ holotype. 40.

Platyura notabilis Williston, 1893, Kans. Univ. Quart., vol. 2, no. 2, pp. 59-60. ♂ holotype. 41.

Platyura pulchra Williston, 1893, Kans. Univ. Quart., vol. 2, no. 2, p. 59. ♂ holotype (part of abdomen missing). 42.

Sciophila angulata Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, pp. 22-23. ♀ holotype (antennae missing). 44.

Sciophila nigricauda Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 23. ♀ holotype (antennae missing). 43.

Syntemna mutor Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 24. 2 ♂, 2 ♀ syntypes. 45.

MICROPEZIDAE

Micropeza abnormis Cresson, 1938, Ent. News, vol. 49, no. 3, pp. 72-73. ♂ holotype, ♀ allotype, 2 ♂, 1 ♀ paratypes. 5849.

Micropeza compar Cresson, 1938, Ent. News, vol. 49, no. 3, pp. 73-74. ♂ holotype, ♀ allotype, 3 ♀ paratypes. 5850.

Micropeza turcana Townsend, 1892, Trans. Kans. Acad. Sci., vol. 13, p. 136. 1 ♂ lectotype, 1 ♂ lectoparatype, Cresson, 1938, Trans. Amer. Ent. Soc., vol. 64, no. 4, pp. 316-317. 670.

MICROPEZIDAE—Paratypes

Micropeza setaventris Cresson. 2 ♀. 5851.

MUSCIDAE

Euryomma panamensis Chillcott, 1958, Canadian Ent., vol. 90, no. 12, pp. 730-731. ♂ holotype, ♀ allotype, 12 ♂, 10 ♀ paratypes. 5811.

Euryomma rettenmeyeri Chillcott, 1958, Canadian Ent., vol. 90, no. 12, pp. 725-730. ♂ holotype, ♀ allotype, 9 ♂, 2 ♀ paratypes. 5810.

Haematobia alcis Snow, 1891, Canadian Ent., vol. 23, no. 4, pp. 88-89. 1 ♂, 3 ♀ syntypes. 560.

Morellia nigricosta Hough, 1900, Kans. Univ. Quart., vol. 9, no. 3, pp. 216-218. 1 ♀ syntype. 559.

MYDAIDAE

Ecthypus limbatus Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, p. 292. ♀ holotype. (Published as *Ectypus* but this is regarded as a misspelling.) 5852.

Ecthypus townsendi Williston, 1897, Trans. Kans. Acad. Sci., vol. 15, p. 58. ♀ holotype. 143.

Heteromydas bicolor Hardy, 1944, Canadian Ent., vol. 76, no. 11, pp. 227-229. ♂ holotype, ♀ allotype, 9 ♂, 23 ♀ paratypes. 5853.

Mydas abdominalis Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, p. 434. 2 ♂, 2 ♀ syntypes. 145.

Mydas scitulus Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, pp. 291-292. ♂ holotype. (Published as *Midas* but this is regarded as a misspelling.) 146.

Nemomydas intonsus Hardy, 1950, Wasmann Jour. Biol., vol. 8, no. 1, pp. 27-29. ♂ holotype, ♀ allotype. 3819.

Nemomydas intonsus fumosus Hardy, 1950, Wasmann Jour. Biol., vol. 8, no. 1, pp. 29-30. ♂ holotype, ♀ allotype. 3818.

NEMESTRINIDAE

Hirmoneura flavipes Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, pp. 292-293. ♀ holotype (most of head, 1 wing, 4 legs missing). 96.

Hirmoneura texana arizonensis Bequaert, 1934, Jour. N. Y. Ent. Soc., vol. 42, p. 180. ♂ holotype, ♀ allotype, 4 ♂ paratypes. 1840.

Rhynchocephalus flavus Curran, 1931, Canadian Ent., vol. 63, no. 3, pp. 70-72. ♂ holotype, ♀ allotype, 2 ♂, 3 ♀ paratypes. 100.

Rhynchocephalus maculatus Curran, 1931, Canadian Ent., vol. 63, no. 3, pp. 69-70. ♂ holotype, ♀ allotype, 2 ♀ paratypes. 99.

Rhynchocephalus sackenii Williston, 1880, Trans. Conn. Acad., vol. 4, pp. 243-244. ♂ holotype (described as ♀). 97.

Rhynchocephalus volaticus Williston, 1883, Canadian Ent., vol. 15, no. 4, pp. 71-72. 1 ♀ syntype. 98.

NYCTERIBIIDAE

Nycteribia antrozoi Townsend, 1893, Jour. N. Y. Ent. Soc., vol. 1, no. 2, pp. 79-80. ♂ holotype. 727.

OTITIDAE

Acrosticta similis Cresson, 1924, Trans. Amer. Ent. Soc., vol. 50, p. 238. ♂ holotype, ♀ allotype. 641.

Chaetopsis magna Cresson, 1924, Trans. Amer. Ent. Soc., vol. 50, p. 241. ♀ holotype, ♂ allotype, 1 ♀ paratype (head missing). 646.

Euxesta apicalis Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 375. 1 ♂? syntype. 642.

Euxesta magdalenae Cresson, 1924, Trans. Amer. Ent. Soc., vol. 50, p. 240. ♂ holotype. 224.

Euxesta remota Cresson, 1924, Trans. Amer. Ent. Soc., vol. 50, p. 238. ♀ holotype. 645.

Ortalis snowi Cresson, 1924, Trans. Amer. Ent. Soc., vol. 50, p. 234. ♂ holotype, ♀ allotype. 638.

Rivellia australis Namba, 1956, Proc. U. S. Nat. Mus., vol. 106, p. 32. ♀ holotype, ♂ allotype, 1 ♀ paratype. 5134.

Rivellia brevifasciata Johnson, 1900, Ent. News, vol. 11, no. 1, p. 326. 4 ♀ syntypes. 635.

Rivellia inaequata Namba, 1956, Proc. U. S. Nat. Mus., vol. 106, p. 62. ♂ holotype, ♀ allotype, 5 ♂, 13 ♀ paratypes. 5130.

Rivellia maculosa Namba, 1956, Proc. U. S. Nat. Mus., vol. 106, p. 35. ♂ holotype, ♀ allotype, 4 ♂, 17 ♀ paratypes. 5129.

Rivellia tersa Namba, 1956, Proc. U. S. Nat. Mus., vol. 106, p. 31. ♂ holotype, ♀ allotype. 5133.

Rivellia vaga Namba, 1956, Proc. U. S. Nat. Mus., vol. 106, p. 50. ♂ holotype, ♀ allotype, 63 ♂, 91 ♀ paratypes. 5126.

Stenopterina bicolor Johnson, 1900, Canadian Ent., vol. 32, no. 7, p. 246. 1 syntype (poor condition). 636.

Tephronota canadensis Johnson, 1902, Ent. News, vol. 13, no. 5, p. 144. 1 ♂ syntype. 639.

Tetanops magdalenae Cresson, 1924, Trans. Amer. Ent. Soc., vol. 50, p. 233. ♀ holotype, 1 ♂ paratype. 637.

OTITIDAE—Paratypes

Rivellia colei Namba. 1 ♂ (head missing). 5128.

Rivellia munda Namba. 3 ♀. 5127.

Rivellia socialis Namba. 1 ♂, 2 ♀. 5132.

Rivellia steyskali Namba. 6 ♂, 16 ♀. 5131.

Rivellia winifredae Namba. 1 ♂. 5135.

PHORIDAE

Phora halictorum Melander & Brues, 1903, Biol. Bull., vol. 5, no. 1, pp. 14-15. 1 ♀ syntype. 279.

PIPUNCULIDAE

Allomethus brimleyi Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 128-129. ♂ holotype, 1 ♂ paratype. 3188.

Cephalosphaera maxima Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 50-51. ♂ holotype, ♀ allotype, 2 ♀ paratypes. 3133.

Cephalosphaera tibialis Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 53-55. ♂ holotype, ♀ allotype, 2 ♂, 1 ♀ paratypes. 3135.

Chalarus latifrons Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 33-36. ♂ holotype, ♀ allotype, 91 ♂ and ♀ paratypes. 3125.

Dorilas (Eudorylas) aquavicinus Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 72-74. ♂ holotype, ♀ allotype, 2 ♂, 2 ♀ paratypes. 3144.

Dorilas (Eudorylas) arundani Hardy, 1954, Jour. Kans. Ent. Soc., vol. 27, no. 4, pp. 122-123. ♂ holotype, ♀ allotype, 1 ♂ paratype. 5177.

Dorilas (Eudorylas) bidactylus Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 80-81. ♂ holotype, 3 ♂ paratypes. 3146.

Dorilas cinctus subtilis Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 84-85. ♂ holotype, ♀ allotype, 25 ♂ and ♀ paratypes. 3150.

Dorilas (Eudorylas) curtus Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 85-86. ♂ holotype, 2 ♂ paratypes. 3151.

Dorilas dreisbachi Hardy, 1948, Jour. Kans. Ent. Soc., vol. 21, no. 3, p. 89. ♂ holotype. 4523.

Dorilas (Eudorylas) grandis Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 90-92. ♂ holotype, ♀ allotype, 1 ♂ paratype. 3154.

Dorilas (Eudorylas) huachucanus Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 95-97. ♂ holotype, ♀ allotype, 28 ♂ and ♀ paratypes. 3158.

Dorilas (Eudorylas) kansensis Hardy, 1940, Jour. Kans. Ent. Soc., vol. 13, no. 4, pp. 102-103. ♂ holotype, ♀ allotype, 37 ♂ and ♀ paratypes. 3159.

Dorilas (Eudorylas) lautus Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 99-100. ♂ holotype, ♀ allotype, 2 ♂, 2 ♀ paratypes. 3160.

Dorilas (Eudorylas) michiganensis Hardy, 1948, Jour. Kans. Ent. Soc., vol. 21, no. 3, p. 90. ♂ holotype. 4524.

Dorilas (Eudorylas) montivagus Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 104-106. ♂ holotype, ♀ allotype. 3164.

Dorilas (Eudorylas) nevadaensis Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 106-107. ♂ holotype, ♀ allotype, 3 ♂, 8 ♀ paratypes. 3165.

Dorilas (Eudorylas) stainsi Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 113-114. ♂ holotype, 1 ♂ paratype. 3170.

Dorylomorpha tridentata Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 141-142. ♂ holotype, ♀ allotype, 50 ♂ and ♀ paratypes. 3186.

Dorylomorpha uncinata Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 142-144. ♂ holotype, ♀ allotype, 2 ♂ paratypes. (1 paratype without head.) 3187.

Pipunculus glabrum Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 165. ♂ holotype. 743.

Pipunculus nigricornis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 36. ♂ holotype. 5761.

Tömösváryella agnesea Hardy, 1940, Jour. Kans. Ent. Soc., vol. 13, no. 4, pp. 103-106. ♂ holotype, ♀ allotype, 27 ♂ and ♀ paratypes. 3189.

Tömösváryella armata Hardy, 1940, Jour. Kans. Ent. Soc., vol. 13, no. 4, pp. 106-107. ♂ holotype, ♀ allotype, 1 ♂, 2 ♀ paratypes. (1 ♀ paratype without head.) 3191.

Tömösváryella beameri Hardy, 1940, Jour. Kans. Ent. Soc., vol. 13, no. 4, p. 107. ♂ holotype, ♀ allotype, 7 ♂, 2 ♀ paratypes. 3192.

Tömösváryella brevijuncta Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 155-156. ♂ holotype, ♀ allotype, 6 ♂, 6 ♀ paratypes. 3194.

Tömösváryella dissimilis Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 161-162. ♂ holotype, ♀ allotype, 18 ♂, 3 ♀ paratypes. 3197.

Tömösváryella exilidens Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 162-164. ♂ holotype, ♀ allotype, 19 ♂, 1 ♀ paratypes. 3198.

Tömösváryella floridensis Hardy, 1940, Jour. Kans. Ent. Soc., vol. 13, no. 4, pp. 109-110. ♂ holotype, ♀ allotype, 3 ♂, 1 ♀ paratypes. 3199.

Tömösváryella lepidipes Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 166-167. ♂ holotype, ♀ allotype, 72 ♂ and ♀ paratypes. 3200.

Tömösváryella minacis Hardy, 1940, Jour. Kans. Ent. Soc., vol. 13, no. 4, pp. 110-112. ♂ holotype, ♀ allotype, 2 ♂ paratypes. 3201.

Tömösváryella pauca Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 168-169. ♂ holotype, 3 ♂ paratypes. 3202.

Tömösváryella propinqua Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 169-171. ♂ holotype, ♀ allotype, 194 ♂ and ♀ paratypes. (Holotype without head.) 3203.

Tömösváryella quadradentis Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 172-173. ♂ holotype, ♀ allotype, 149 ♂ and ♀ paratypes. 3205.

Tömösváryella tumida Hardy, 1940, Jour. Kans. Ent. Soc., vol. 13, no. 4, pp. 112-113. ♂ holotype, ♀ allotype, 26 ♂ and ♀ paratypes. 3217.

Tömösváryella turgida Hardy, 1940, Jour. Kans. Ent. Soc., vol. 13, no. 4, pp. 113-114. ♂ holotype, ♀ allotype, 12 ♂ paratypes. 3218.

Tömösváryella xerophila Hardy, 1943, Univ. Kans. Sci. Bull., vol. 29, no. 1, pp. 188-190. ♂ holotype, ♀ allotype, 27 ♂ and ♀ paratypes. 3206.

Verrallia fasciatus Hardy, 1939, Jour. Kans. Ent. Soc., vol. 12, no. 1, pp. 16-17. ♀ holotype. 3127.

Pipunculidae—Paratypes

Dorilas decorus Hardy. 2 ♂. 3826.

Dorilas mikenensis Hardy. 1 ♂, 1 ♀. (♂ missing head.) 3828.

Dorilas (Eudorylas) sabroskyi Hardy. 3 ♀. 3169.

Dorilas wittei Hardy. 1 ♂, 1 ♀. 3827.

Dorylomorpha canadensis Hardy. 4 ♂, 3 ♀. 3180.

Dorylomorpha ornata Hardy. 1 ♀. 3185.

Pipunculus appendipes Cresson. 1 ♂. 3190.

Pipunculus atramontensis occidens Hardy. 1 ♂. 3184.

Pipunculus brachystigmaticus Hardy & Knowlton. 1 ♀. 3172.

Pipunculus contortus Hardy. 1 ♂. 3196.

Pipunculus femoratus curvitibiae Hardy. 1 ♂. 3157.

Pipunculus knowltoni Hardy. 15 ♂, 11 ♀. 5497.

Pipunculus minor Cresson. 1 ♂. 5760.

Pipunculus toxodentis Hardy & Knowlton. 6 ♂, 1 ♀. 3216.

Pipunculus utahensis Hardy & Knowlton. 4 ♂, 1 ♀. 3222.

Pipunculus wilburi Hardy. 4 ♂, 2 ♀. 3221.

Platypezidae

Callomyia aldrichii Snow, 1894, Kans. Univ. Quart., vol. 3, no. 2, p. 152. ♀ holotype. 281.

Callomyia venusta Snow, 1894, Kans. Univ. Quart., vol. 3, no. 2, pp. 151-152. 1 ♂, 2 ♀ syntypes. 282.

Calotarsa ornatipes Townsend, 1894, Canadian Ent., vol. 26, no. 2, p. 52. (Family placement corrected, pp. 102-103.) ♂ holotype. 284.

Platypeza abscondita Snow, 1895, Kans. Univ. Quart., vol. 3, no. 3, p. 205. ♂ holotype (abdomen, hind legs missing). 285.

Platypeza calceata Snow, 1894, Kans. Univ. Quart., vol. 3, no. 2, p. 146. 29 ♂ syntypes (4 damaged). 283.

Platypeza cinerea Snow, 1894, Kans. Univ. Quart., vol. 3, no. 2, pp. 150-151. 2 ♀ syntypes. 286.

Platypeza pulchra Snow, 1894, Kans. Univ. Quart., vol. 3, no. 2, pp. 149-150. 2 ♂ syntypes. 287.

Platypeza pulla Snow, 1895, Kans. Univ. Quart., vol. 3, no. 3, p. 206. 4 ♂ syntypes. 5498.

Platypeza taeniata Snow, 1894, Kans. Univ. Quart., vol. 3, no. 2, p. 149. ♀ holotype. 290.

Platypeza umbrosa Snow, 1894, Kans. Univ. Quart., vol. 3, no. 2, p. 148. 3 ♂, 1 ♀ syntypes (♀ without head). 288.

Platypeza unicolor Snow, 1895, Kans. Univ. Quart., vol. 3, no. 3, p. 206. ♀ holotype. 289.

PLATYPEZIDAE—Paratypes

Platypezina pacifica Kessel. 2 ♂, 2 ♀. 3817.

PSILIDAE

Loxocera californica Capelle, 1953, Ann. Ent. Soc. Amer., vol. 46, no. 1, pp. 106-107. ♂ holotype, ♀ allotype, 3 ♂ paratypes. 5805.

PSYCHODIDAE

Pericoma longiplata Haseman, 1907, Trans. Amer. Ent. Soc., vol. 33, no. 9, p. 308. ♂ lectotype (on slide), 3 ♀ lectoparatypes, Quate, 1955, Univ. Calif. Pub. Ent., vol. 10, no. 3, p. 177. 5486.

Pericoma scala Haseman, 1907, Trans. Amer. Ent. Soc., vol. 33, no. 9, pp. 307-308. ♀ holotype. 5496. This species was described on the basis of one specimen, "probably a female." However, there is another specimen (♀) on a microscope slide labeled "cotype," with same locality, date and collector. The pinned specimen is taken to be the holotype as it is so labelled.

Pericoma trialbawhorla Haseman, 1907, Trans. Amer. Ent. Soc., vol. 33, no. 9, pp. 306-307. ♂ lectotype (on slide), Quate, 1955, Univ. Calif. Pub. Ent., vol. 10, no. 3, p. 170. 5489.

Psychoda floridica Haseman, 1907, Trans. Amer. Ent. Soc., vol. 33, no. 9, pp. 316-317. ♀ lectotype (on slide), Quate, 1955, Univ. Calif. Pub. Ent., vol. 10, no. 3, p. 221. 5493.

Psychoda horizontala Haseman, 1907, Trans. Amer. Ent. Soc., vol. 33, no. 9, p. 313. ♂ lectotype (on slide), Quate, 1955, Univ. Calif. Pub. Ent., vol. 10, no. 3, p. 211. 5492.

Psychoda nocturnala Haseman, 1907, Trans. Amer. Ent. Soc., vol. 33, no. 9, pp. 319-320. ♀ holotype (on slide). 5491.

Psychoda slossoni Williston, 1893, Ent. News, vol. 4, p. 114. ♀ lectotype (body on slide, wings on point, pinned), Quate, 1955, Univ. Calif. Pub. Ent., vol. 10, no. 3, pp. 143-145. 38.

Psychoda snowii Haseman, 1907, Trans. Amer. Ent. Soc., vol. 33, no. 9, pp. 311-312. 4 ♀ syntypes. 5487.

Psychoda uniformata Haseman, 1907, Trans. Amer. Ent. Soc., vol. 33, no. 9, p. 319. ♀ lectotype (on slide), Quate, 1955, Univ. Calif. Pub. Ent., vol. 10, no. 3, p. 213. 5490.

Trichomyia unipunctata Haseman, 1907, Trans. Amer. Ent. Soc., vol. 33, no. 9, pp. 323-324. ♀ lectotype, 1 ♀ lectoparatype, Quate & Wirth, 1951, Wasmann Jour. Biol., vol. 9, no. 2, p. 156. 5488.

PSYCHODIDAE—Paratypes

Psychoda salicornia Quate. 1 ♂, 1 ♀ (on slides). 5494.

Telmatoscopus nebraskensis Quate. 1 ♀ (on slide). 5495.

PTYCHOPTERIDAE—Paratypes

Ptychoptera uta Alexander. 1 ♂. 5327.

RHAGIONIDAE

Chrysopila bella Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 13, p. 438. ♂ lectotype, 1 ♂, 1 ♀ lectoparatypes, Hardy, 1949, Amer. Midland Nat., vol. 41, no. 1, p. 161. 90.

Chrysopila flavibarbis Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 13, p. 438. ♂ lectotype, 3 ♂ lectoparatypes (1 with head missing), Hardy, 1949, Amer. Midland Nat., vol. 41, no. 1, p. 154. 91.

Chrysopila lucifera Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 13, p. 437. ♂ lectotype, 2 ♂, 1 ♀ lectoparatypes (abdomen of 1 ♂ broken), Hardy, 1949, Amer. Midland Nat., vol. 41, no. 1, p. 160. 92.

Chrysopilus angustifacies Hardy, 1949, Amer. Midland Nat., vol. 41, no. 1, pp. 148-149. ♂ holotype, 3 ♂ paratypes. 3782.

Chrysopilus beameri Hardy, 1949, Amer. Midland Nat., vol. 41, no. 1, pp. 151-152. ♂ holotype, ♀ allotype, 6 ♂, 5 ♀ paratypes. 3783.

Chrysopilus divisus Hardy, 1949, Amer. Midland Nat., vol. 41, no. 1, pp. 152-153. ♂ holotype. 3785.

Chrysopilus georgianus Hardy, 1949, Amer. Midland Nat., vol. 41, no. 1, p. 154. ♂ holotype. 3786.

Chrysopilus longipalpus Hardy, 1949, Amer. Midland Nat., vol. 41, no. 1, pp. 157-158. ♂ holotype, ♀ allotype, 1 ♀ paratype. 3784.

Chrysopilus xanthopus Hardy, 1949, Amer. Midland Nat., vol. 41, no. 1, pp. 163-164. ♂ holotype, ♀ allotype, 1 ♂, 3 ♀ paratypes. 3787.

Leptis palpalis Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 13, p. 442. ♂ holotype. 88.

Leptis pleuralis Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 13, p. 441. ♀ holotype. 89.

Ptiolina vicina Hardy & McGuire, 1947, Jour. Kans. Ent. Soc., vol. 20, no. 1, p. 12. ♀ holotype. 3748.

Ptiolina zonata Hardy & McGuire, 1947, Jour. Kans. Ent. Soc., vol. 20, no. 1, pp. 13-15. ♀ holotype. 3747.

Symphoromyia flavipalpis Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 13, p. 439. ♀ holotype. 93.

Symphoromyia pachyceras Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, p. 287. 1 ♂, 3 ♀ syntypes. 94.

Symphoromyia plagens Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, p. 287. 1 ♂ syntype. 95.

RHAGIONIDAE—Paratypes

Chrysopilus alaskaensis Hardy. 1 ♂, 1 ♀. 3788.

Ptiolina nigripilosa Hardy & McGuire. 1 ♂. 3746.

SARCOPHAGIDAE

Archimimus canatus Reinhard, 1952, Canadian Ent., vol. 84, no. 5, p. 140. ♂ holotype, ♀ allotype, 1 ♂, 1 ♀ paratypes. 4654.

Brachycoma chihuahuensis Townsend, 1892, Canadian Ent., vol. 24, no. 7, pp. 165-166. ♂ holotype. 400.

Cacotrophus beameri Reinhard, 1947, Jour. Kans. Ent. Soc., vol. 20, no. 3, pp. 99-100. ♂ holotype, ♀ allotype. 3770.

Cattasoma festinans Reinhard, 1947, Jour. Kans. Ent. Soc., vol. 20, no. 3, pp. 98-99. ♂ holotype. 3771.

Eumacronychia decens Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 99-100. 1 ♂, 2 ♀ syntypes. 454.

Eumacronychia duplicata Reinhard, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, pp. 57-58. ♂ holotype, ♀ allotype, 1 ♂ paratype. 5857.

Eumacronychia elita Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 100. ♂ holotype. 458.

Gymnoprosopa argentifrons Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 109. ♂ holotype. 457.

Gymnoprosopa clarifrons Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 109-110. ♂ holotype. 456.

Gymnoprosopa polita Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 109. ♀ holotype. 455.

Metopia luggeri Townsend, 1892, Canadian Ent., vol. 24, no. 3, p. 69. ♀ holotype. 479.

Miltogramma argentifrons Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, p. 357. 2 ♂ syntypes. 498.

Miltogramma cinerascens Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, p. 358. 3 ♀ syntypes. 499.

Miltogramma decisa Townsend, 1892, Ent. News, vol. 3, no. 4, p. 81. ♀ holotype. 497.

Miltogramma flavicornis Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, p. 355. 1 ♂, 1 ♀? syntypes. 500.

Miltogramma kansensis Townsend, 1892, Canadian Ent., vol. 24, no. 3, pp. 68-69. ♂ holotype. 502.

Pachyophthalmus aurifrons Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 354-355. 1 ♂, 1 ♀ syntypes. 592.

Sarcoclista dakotensis Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 123. ♀ holotype. 496.

Sarcodexia sternodontis Townsend, 1892, Jour. Inst. of Jamaica, vol. 1, no. 3, p. 106. ♂ holotype. 3009.

Sarcomacronychia sarcophagoides Townsend, 1892, Canadian Ent., vol. 24, no. 7, p. 165. ♀ holotype. 590.

Sarcomacronychia trypoxylonis Townsend, 1893, Bull. Ohio Agr. Exp. Sta., Tech. Ser., vol. 1, no. 3, pp. 165-166. 2 ♂, 2 ♀ syntypes (one ♀ without head). 3574.

Sarcomacronychia unica Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 101-102. ♂ holotype. 591.

Sarcophaga beameri Hall, 1931, Pan-Pacific Ent., vol. 8, no. 2, p. 52. ♂ holotype. 2131.

Sarcophaga chaetopygialis Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 366. 3 ♂ syntypes. 564.

Sarcophaga cimbicis Townsend, 1892, Canadian Ent., vol. 24, no. 5, pp. 126-127. 1 ♂, 1 ♀ syntypes. 565.

Sarcophaga complosa Reinhard, 1947, Jour. Kans. Ent. Soc., vol. 20, no. 4, pp. 123-124. ♂ holotype, 2 ♂ paratypes. 3762.

Sarcophaga concinnata Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 364. 1 ♀ syntype. 567.

Sarcophaga helicis Townsend, 1892, Psyche, vol. 6, p. 220. ♀ holotype. 569.

Sarcophaga hetaera Reinhard, 1952, Canadian Ent., vol. 84, no. 5, pp. 146-147. ♂ holotype. 4655.

Sarcophaga libera Aldrich, 1916, Sarcophaga and Allies (North America), Thomas Say Foundation, La Fayette, Indiana, pp. 235-236. ♂ holotype, ♀ allotype. 573.

Sarcophaga litorosa Reinhard, 1947, Jour. Kans. Ent. Soc., vol. 20, no. 3, pp. 115-116. ♂ holotype, 12 ♂ paratypes. 3767.

Sarcophaga micropygialis Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 363-364. ♂ holotype. 576.

Sarcophaga prohibita Aldrich, 1916, Sarcophaga and Allies (North America), Thomas Say Foundation, La Fayette, Indiana, pp. 133-134. ♀ holotype, ♂ allotype, 1 ♀ paratype. 578.

Sarcophaga prolepsis Reinhard, 1947, Jour. Kans. Ent. Soc., vol. 20, no. 4, pp. 120-121. ♂ holotype, ♀ allotype, 1 ♂, 2 ♀ paratypes. 3764.

Sarcophaga siccana Reinhard, 1947, Jour. Kans. Ent. Soc., vol. 20, no. 4, p. 117. ♂ holotype. 3769.

Sarcophaga sigilla Reinhard, 1947, Jour. Kans. Ent. Soc., vol. 20, no. 4, pp. 118-119. ♂ holotype. 3765.

Sarcophaga statuta Reinhard, 1952, Canadian Ent., vol. 84, pp. 144-145. ♂ holotype. 4656.

Sarcotachinella intermedia Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 111. ♂ holotype. 580.

SARCOPHAGIDAE—Paratypes

Chaetoravinia anandra Dodge. 4 ♀. 4496.
Emblemasoma erro Aldrich. 1 ♂. 561.
Gymnoprosopa milanoensis Reinhard. 2 ♀. 3517.
Idoneamima acrophila Dodge. 1 ♂. 5858.
Idoneamima fattigi Dodge. 2 ♂. 5859.
Idoneamima helicivora Dodge. 1 ♂. 5860.
Idoneamima monticola Dodge. 3 ♂. 5861.
Idoneamima rabunensis Dodge. 2 ♂. 5862.
Idoneamima sabroskyi Dodge. 9 ♂. 5863.
Idoneamima seagoi Dodge. 5 ♂. 5864.
Idoneamima sudiai Dodge. 1 ♂. 5865.
Sarcophaga aculeata taediosa Aldrich. 1 ♂. 562.
Sarcophaga alcedo Aldrich. 1 ♂. 563.
Sarcophaga alopecis Reinhard. 1 ♂, 2 ♀. 3759.
Sarcophaga coloradensis Aldrich. 1 ♂, 1 ♀. 566.
Sarcophaga ignipes Reinhard. 1 ♀. 3760.
Sarcophaga johnsoni Aldrich. 2 ♂. 571.
Sarcophaga kellyi Aldrich. 2 ♂. 572.
Sarcophaga latisterna irrisoris Reinhard. 3 ♂, 1 ♀. 4657.
Sarcophaga marginata Aldrich. 1 ♂. 574.
Sarcophaga melampyga Aldrich. 3 ♂. 575.
Sarcophaga mimoris Reinhard. 1 ♂. 3758.
Sarcophaga omani Hall. 3 ♂. 2132.
Sarcophaga pagella Reinhard. 1 ♂. 3768.
Sarcophaga planifrons Aldrich. 4 ♂. 577.
Sarcophaga putilla Reinhard. 1 ♂, 2 ♀. 3761.
Sarcophaga reperta Reinhard. 3 ♂. 3763.
Sarcophaga robusta Aldrich. 2 ♂, 1 ♀. 579.
Sarcophaga sulculata Aldrich. 2 ♂, 1 ♀. 581.
Sarcophaga vernilis Reinhard. 3 ♂. 3766.
Sphenometopa violae Reinhard. 1 ♂, 1 ♀. 3516.

SCENOPINIDAE

Omphrale beameri Hardy, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, p. 43. ♂ holotype, ♀ allotype, 13 ♂, 7 ♀ paratypes (holotype, 2 paratypes without heads). 3750.

Omphrale beameri fusca Hardy, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, pp. 43-44. ♂ holotype, ♀ allotype, 8 ♂, 13 ♀ paratypes. 3749.

Omphrale kuiterti Hardy, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, pp. 46-47. ♂ holotype, 1 ♂ paratype. 5866.

Omphrale valga Hardy, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, pp. 50-51. ♂ holotype, 2 ♂ paratypes. 5867.

Omphralosoma albifasciata Hardy, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, pp. 41-42. ♂ holotype, ♀ allotype, 1 ♂ paratype. 5869.

Pseudatrichia punctulata Hardy, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 3, pp. 104-105. ♂ holotype, ♀ allotype, 1 ♂, 1 ♀ paratypes. 3278.

Scenopinus electa Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, pp. 445-446. 1 ♂, 1 ♀ syntypes. 141.

Scenopinus mirabilis Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, p. 445. ♀ holotype. 142.

SCENOPINIDAE—Paratypes

Belosta albipilosa Hardy. 3 ♂, 2 ♀. 5868.

Omphrale adventicia Hardy. 3 ♀. 5144.

SCIARIDAE

Eugnoriste occidentalis Coquillett, 1896, Proc. Ent. Soc. Wash., vol. 3, p. 321. 3 ♀ syntypes. 49.

SCIARIDAE—Paratypes

Zygoneura fenestrata Malloch. 1 ♀. 50.

SCIOMYZIDAE

Sepedon ornatifrons Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 166. 2 syntypes (both without abdomen, one without head). 627.

Sepedon scapularis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, pp. 46-47. 1 ♂, 1 ♀ syntypes. 628.

Tetanocera inopa Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, pp. 448-449. ♂ holotype. 626.

SCIOMYZIDAE—Paratypes

Dictya currani Steyskal. 1 ♂. 2946.

Dictya sabroskyi Steyskal. 1 ♀. 2947.

SEPSIDAE

Sepsis astutis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 174. 2 ♂, 1 ♀, 3? (without abdomen) syntypes. 755. One ♂ has been identified as S. *glabrata* Duda, by Curran.

Sepsis delectabilis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 174-175. 2 ♂, 1? (without abdomen) syntypes. 758.

Sepsis petulantis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 176. ♂ holotype. 757.

Sepsis propinquus Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 175. ♂ holotype. 754.

SIMULIIDAE

Simulium argus Williston, 1893, North Amer. Fauna, No. 7, Dipt. of Death Valley Exped., part 2, pp. 253-254. ♀ holotype. 53.

Simulium beameri Stains & Knowlton, Ann. Ent. Soc. Amer., vol. 36, no. 2, pp. 279-280. ♀ holotype, ♂ allotype, 28 ♂ & ♀ paratypes. 3283.

Simulium notatum Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 13, p. 434. 2 ♀ syntypes. (One lacks abdomen and head). 54.

Simulium occidentale Townsend, 1891, Psyche, vol. 6, no. 183, p. 107. 4 ♀ syntypes. 55.

SIMULIIDAE—Paratypes

Eusimulium pilosum Knowlton & Rowe. 1 ♀. 3048.

Simulium twinni Stains & Knowlton. 1 ♂, 1 ♀. 3049.

Stratiomyidae

Adoxomyia appressa James, 1935, Pan-Pacific Ent., vol. 11, no. 2, p. 63. ♂ holotype, ♀ allotype, 4 ♂, 1 ♀ paratypes. 2125.

Adoxomyia appressa cibolae James, 1950, Jour. Kans. Ent. Soc., vol. 23, no. 2, p. 71. ♂ holotype, ♀ allotype, 19 ♂, 1 ♀ paratypes. 4207.

Adoxomyia claripennis James, 1935, Pan-Pacific Ent., vol. 11, no. 2, pp. 62-63. ♂ holotype. 2126.

Adoxomyia micheneri James, 1950, Jour. Kans. Ent. Soc., vol. 23, no. 2, pp. 71-72. ♂ holotype, ♀ allotype. 5169.

Chrysochlora flavescens James, 1937, Bull. Brooklyn Ent. Soc., vol. 32, no. 4, pp. 151-152. ♂ holotype, 10 ♂ paratypes. 2280.

Chrysochroma albipes Townsend, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, pp. 31-32. ♂ holotype. 59.

Clitellaria argentata Williston, Canadian Ent., vol. 17, no. 7, pp. 127-128. ♂ holotype. 73.

Dieuryneura callosa James, 1937, Bull. Brooklyn Ent. Soc., vol. 32, no. 4, p. 153. ♂ holotype, ♀ allotype. 2282.

Euparyphus albipilosus Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 30. 1 ♂, 2 ♀ syntypes. 68.

Euparyphus limbrocutris Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 31. ♀ holotype. 69. This species was earlier described without name by Williston, 1885, Canadian Ent., vol. 17, no. 7, p. 126.

Euparyphus mutabilis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, pp. 29-30. 4 ♂, 4 ♀ syntypes. 70.

Euparyphus ornatus Williston, 1885, Canadian Ent., vol. 17, no. 7, pp. 126-127. ♀ holotype. 71.

Euparyphus sabroskyi James, 1936, Pan-Pacific Ent., vol. 12, no. 2, p. 88. ♂ holotype. 2949.

Euparyphus septem-maculatus Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 2, p. 31. ♂ holotype. 72.

Hermetia comstocki Williston, 1885, Canadian Ent., vol. 17, no. 7, pp. 125-126. 1 ♂, 3 ♀ syntypes. 57. Original description indicates only two specimens.

Hermetia eiseni Townsend, 1895, Proc. Cal. Acad. Sci., 2nd series, vol. 4, pp. 594-595. 2 ♀ syntypes (one without head). 5873.

Labidostigmina novella Steyskal, 1938, Occ. Papers, Mus. Zool. Univ. Mich., no. 386, pp. 1-3. ♂ allotype. 2222.

Macrosargus clavis Williston, 1885, Canadian Ent., vol. 17, no. 7, pp. 123-124. 1 ♂, 1 ♀ syntypes. 60.

Merosargus beameri James, 1941, Ent. News, vol. 52, no. 4, pp. 107-108. ♂ holotype. 3075.

Nemotelus abdominalis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 5, p. 221. 3 ♂, 1 ♀ syntypes. 74.

Nemotelus beameri James, 1933, Jour. Kans. Ent. Soc., vol. 6, no. 2, p. 70. ♀ holotype, ♂ allotype (designated by Hanson, 1958, Univ. Kans. Sci. Bull., vol. 38, Pt. 2, no. 19, p. 1378). 5874.

Nemotelus bellulus Melander, 1903, Psyche, vol. 10, nos. 325-326, p. 183. 1 ♀ syntype. 2923.

Nemotelus bruesii Melander, 1903, Psyche, vol. 10, nos. 325-326, p. 179. 1 ♂, 3 ♀ syntypes. 75.

Nemotelus communis Hanson, 1958, Univ. Kans. Sci. Bull., vol. 38, Pt. 2, no. 19, pp. 1376-1377. ♂ holotype, ♀ allotype, 10 ♂, 10 ♀ paratypes. 5875.

Nemotelus halophilus Hanson, 1958, Univ. Kans. Sci. Bull., vol. 38, Pt. 2, no. 19, pp. 1372-1373. ♂ holotype, ♀ allotype, 10 ♂ paratypes. 5876.

Nemotelus kansensis Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 5, pp. 221-222. 86 ♂, 66 ♀ syntypes. Two Anthomyiidae also bear type labels of this species. 76.

Nemotelus lambda James, 1933, Jour. Kans. Ent. Soc., vol. 6, no. 2, pp. 70-71. ♂ holotype. 5881.

Nemotelus politus Hanson, 1958, Univ. Kans. Sci. Bull., vol. 38, Pt. 2, no. 19, pp. 1364-1365. ♂ holotype, ♀ allotype, 3 ♂, 1 ♀ paratypes. 5877.

Nemotelus trinotatus Melander, 1903, Psyche, vol. 10, nos. 325-326, p. 180. 3 ♂, 2 ♀ syntypes (one ♂ with abdomen missing). 77.

Nemotelus variabilis Hanson, 1958, Univ. Kans. Sci. Bull., vol. 38, Pt. 2, no. 19, pp. 1368-1369. ♂ holotype, ♀ allotype, 2 ♂ paratypes. 5878.

Nemotelus wheeleri Melander, 1903, Psyche, vol. 10, nos. 325-326, pp. 182-183. 1 ♀ syntype (without abdomen). 2924.

Odontomyia americana Day, 1882, Proc. Acad. Nat. Sci. Phila., p. 77. 2 ♂ syntypes. 63.

Odontomyia bellula James, 1936, Ann. Ent. Soc. Amer., vol. 29, no. 3, pp. 528-529. ♀ holotype. 2948.

Odontomyia colei James, 1936, Ann. Ent. Soc. Amer., vol. 29, no. 3, pp. 532-533. ♀ allotype (formerly a syntype of *O. pubescens* Day), 1 ♂ paratype (formerly a syntype of *O. pilosus* Day). 2127.

Odontomyia flava Day, 1882, Proc. Acad. Nat. Sci. Phila., p. 76. ♂ holotype (badly damaged). 64.

Odontomyia leucogaster James, 1933, Jour. Kans. Ent. Soc., vol. 6, no. 2, pp. 69-70. ♂ holotype, 1 ♂ paratype. 5885.

Odontomyia nigra Day, 1882, Proc. Acad. Nat. Sci. Phila., p. 75. 2 ♂, 7 ♀ syntypes. 320.

Odontomyia painteri James, 1936, Ann. Ent. Soc. Amer., vol. 29, no. 3, p. 530. ♀ holotype, ♂ allotype, 7 ♂, 6 ♀ paratypes. 2041.

Odontomyia pilosus Day, 1882, Proc. Acad. Nat. Sci. Phila., pp. 76-77. 4 ♂ syntypes (one additional ♂ removed as paratype of *O. colei* James). 65.

Odontomyia pubescens Day, 1882, Proc. Acad. Nat. Sci. Phila., p. 77. 1 ♂, 1 ♀ syntypes (one additional ♀ removed as allotype of *O. colei* James). 66.

Odontomyia willistoni Day, 1882, Proc. Acad. Nat. Sci. Phila., pp. 78-79. 1 ♀ syntype. 5886.

Ptecticus sackenii Williston, 1885, Canadian Ent., vol. 17, no. 7, p. 124. 1 ♂, 3 ♀ syntypes (head of ♂ damaged). 58.

Ptecticus similis Williston, 1885, Canadian Ent., vol. 17, no. 7, pp. 124-125. 1 ♂, 1 ♀ syntypes. 61.

Scoliopelta luteipes Williston, 1885, Ent. Americana, vol. 1, pp. 154-155. 2 ♂ syntypes (one without head). 56.

Stratiomys beameri James, 1933, Jour. Kans. Ent. Soc., vol. 6, no. 2, p. 66. ♀ holotype. 5887.

Stratiomys media James, 1933, Jour. Kans. Ent. Soc., vol. 6, no. 2, p. 67. ♀ holotype. 5870.

Stratiomys rubra James, 1933, Jour. Kans. Ent. Soc., vol. 6, no. 2, pp. 68-69. ♂ holotype, 1 ♂ paratype. 5871.

Stratiomys vespoides James, 1933, Jour. Kans. Ent. Soc., vol. 6, no. 2, pp. 67-68. ♀ holotype. 5872.

STRATIOMYIDAE—Paratypes

Nemotelus (Nematotelus) albimarginatus James. 2 ♂. 2221.

Nemotelus jamesi Hanson. 1 ♂, 1 ♀. 5879.

Nemotelus knowltoni James. 1 ♂. 5880.

Nemotelus picinus Hanson. 2 ♂, 1 ♀. 5882.

Nemotelus sabroskyi Hanson. 1 ♂, 1 ♀. 5883.

Nemotelus tenuistylus Hanson. 3 ♂, 8 ♀. 5884.

Odontomyia alberta Curran. 1 ♂, 1 ♀. 67.

Odontomyia communis James. 1 ♂, 1 ♀. 3074.

Odontomyia confusa James. 1 ♂. 2128.
Ptilcocera bergi James. 1 ♂, 1 ♀. 3781.
Stratiomys jamesi Steyskal. 2 ♀. 4626.

SYRPHIDAE

Brachymyia lupina Williston, 1882, Canadian Ent., vol. 14, no. 4, pp. 77-78. 1 ♂ syntype. 376.

Brachyopa cynops Snow, 1892, Kans. Univ. Quart., vol. 1, no. 1, pp. 37-38. ♀ holotype. 375.

Callicera montensis Snow, 1892, Kans. Univ. Quart., vol. 1, no. 1, p. 34. 4 ♂ syntypes. 371.

Ceria townsendi Snow, 1895, Kans. Univ. Quart., vol. 3, no. 4, pp. 246-247. ♂ holotype. 322.

Cerioides abdominalis Curran, 1924, Univ. Kans. Sci. Bull., vol. 15, no. 1, pp. 26-27. ♂ holotype. 321.

Chalcomyia (Chalcosyrphus) atra Curran, 1924, Univ. Kans. Sci. Bull., vol. 15, no. 1, pp. 122-123. ♀ holotype. 374.

Chilosia chalybescens Williston, 1893, Kans. Univ. Quart., vol. 2, no. 2, pp. 76-77. ♂ holotype. 369.

Chilosia lucta Snow, 1895, Kans. Univ. Quart., vol. 3, no. 4, pp. 228-229. ♀ holotype. 367.

Chilosia lugubris Williston, 1886, Bull., U. S. Nat. Mus., vol. 31, p. 45. 1 ♂ syntype. 370.

Chilosia nigripennis Williston, 1886, Bull. U. S. Nat. Mus., vol. 31, p. 44. 1 ♂ syntype. 372.

Chrysogaster nitidula Curran, 1924, Univ. Kans. Sci. Bull., vol. 15, no. 1, pp. 116-117. ♀ holotype, ♂ allotype. 373.

Epistrophe mediaconstrictus Fluke, 1930, Ann. Ent. Soc. Amer., vol. 23, no. 1, p. 135. ♀ holotype. 347.

Eristalis aequalis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 161-162. ♀ holotype. 382.

Eristalis communis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 162-163. 2 ♂, 1 ♀ syntypes. 381.

Eristalis dissimilis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 163. 4 ♂ syntypes. 384.

Eristalis longicornis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, pp. 160-161. ♀ holotype. 383.

Eristalis montanus Williston, 1882, Proc. Amer. Phil. Soc., vol. 20, no. 112, p. 322. ♂ holotype. 386.

Eristalis texanus Hull, 1925, Ohio Jour. Sci., vol. 25, no. 1, pp. 28-29. ♂ allotype. 3304.

Heliophilus azureus Fluke, 1953, Jour. Kans. Ent. Soc., vol. 26, no. 4, pp. 126-128. ♂ holotype, ♀ allotype, 3 ♂, 1 ♀ paratypes. 4686.

Helophilus dychei Williston, 1897, Canadian Ent., vol. 29, no. 6, pp. 136-137. 2 ♂ syntypes. 380.

Hiatomyia niveifrons Hull & Fluke, 1950, Bull. Amer. Mus. Nat. Hist., vol. 94, no. 6, pp. 373-374. ♂ allotype, 8 ♂, 2 ♀ paratypes. 3581.

Lepidostola micheneri Fluke, 1953, Jour. Kans. Ent. Soc., vol. 26, no. 4, p. 126. ♂ holotype. 4685.

Mallota albipilis Snow, 1895, Kans. Univ. Quart., vol. 3, no. 4, p. 244. ♀ holotype. 379.

Melanostoma atra Curran, 1924, Univ. Kans. Sci. Bull., vol. 15, no. 1, p. 114. ♀ holotype. 364.

Melanostoma bituberculata Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 160. 2 ♂, 2 ♀ syntypes. 360.

Melanostoma coerulescens Williston, 1886, Bull. U. S. Nat. Mus., vol. 31, p. 49. ♂ holotype. 362.

Melanostoma concinnum Snow, 1895, Kans. Univ. Quart., vol. 3, no. 4, p. 229. 3 ♂ syntypes (one with head missing). 361.

Melanostoma kelloggi Snow, 1895, Kans. Univ. Quart., vol. 3, no. 4, pp. 230-231. ♂ holotype. 359.

Mesograpta teligera Fluke, 1953, Jour. Kans. Ent. Soc., vol. 26, no. 4, p. 125. ♂ holotype. 4681.

Metasyrphus talus Fluke, 1933, Wisconsin Acad. Sci. Arts & Let., vol. 28, p. 95. ♂ holotype, 1 ♂ paratype. 1880.

Microdon bombiformis Townsend, 1895, Trans. Amer. Ent. Soc., vol. 22, p. 33. ♀ holotype. 3579.

Microdon conflictus Curran, 1924, Univ. Kans. Sci. Bull., vol. 15, no. 1, pp. 58-60. ♀ allotype. 325.

Microdon diversipilosus Curran, 1924, Univ. Kans. Sci. Bull., vol. 15, no. 1, p. 76. ♂ holotype. 331.

Microdon eutristis Curran, 1924, Univ. Kans. Sci. Bull., vol. 15, no. 1, pp. 74-75. ♂ holotype. 330.

Microdon lanceolatum Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 5, pp. 222-223. ♂ holotype. 328.

Microdon megalogaster Snow, 1892, Kans. Univ. Quart., vol. 1, no. 1, p. 34. ♂ holotype. 326.

Microdon pallipennis Curran, 1924, Univ. Kans. Sci. Bull., vol. 15, no. 1, pp. 89-90. ♂ holotype (without head). 333.

Microdon pseudoglobosus Curran, 1924, Univ. Kans. Sci. Bull., vol. 15, no. 1, pp. 57-58. ♂ holotype, 1 ♀ paratype. 324.

Microdon violens Townsend, 1895, Trans. Amer. Ent. Soc., vol. 22, pp. 34-35. ♀ holotype (abdomen damaged). 332.

Microdon xanthopilus Townsend, 1895, Proc. Calif. Acad. Sci., vol. 4, p. 611. 1 ♂ syntype. 327.

Myiolepta bella Williston, 1882, Proc. Amer. Phil. Soc., vol. 20, no. 112, p. 308. 1 ♀ syntype (head and abdomen missing). 357.

Nausigaster scutellaris Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, pp. 446-447. 2 ♂ syntypes. 336.

Parhelophilus currani Fluke, 1953, Jour. Kans. Ent. Soc., vol. 26, no. 4, pp. 128-129. ♀ holotype, ♂ allotype. 4557.

Platychirus palmulosus Snow, 1895, Kans. Univ. Quart., vol. 3, no. 4, pp. 231-232. ♂ holotype. 358.

Rhopalosyrphus carolae Capelle, 1956, Jour. Kans. Ent. Soc., vol. 29, no. 4, pp. 174-175. ♀ holotype, ♂ allotype. 5888.

Sphaerophoria melanosa Williston, 1886, Bull. U. S. Nat. Mus., vol. 31, pp. 106-107. ♂ holotype. 354.

Sphyximorpha snowi Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, pp. 447-448. 2 ♀ syntypes. 323.

Spilomyia kahli Snow, 1895, Kans. Univ. Quart., vol. 3, no. 4, pp. 245-246. ♂ holotype. 377.

Syrphus creper Snow, 1895, Kans. Univ. Quart., vol. 3, no. 4, p. 234. 3 ♂, 1 ♀ syntypes. 346.

Syrphus disgregus Snow, 1895, Kans. Univ. Quart., vol. 3, no. 4, pp. 233-234. 3 ♂, 1 ♀ syntypes. 345.

Syrphus montanus Curran, 1924, Univ. Kans. Sci. Bull., vol. 15, no. 1, pp. 174-175. ♂ holotype. 340.

Syrphus montivagus Snow, 1895, Kans. Univ. Quart., vol. 3, no. 4, p. 236. 4 ♂ syntypes. 341.

Syrphus pullulus Snow, 1895, Kans. Univ. Quart., vol. 3, no. 4, pp. 237-238. 4 ♂ syntypes (1 without head, 1 without abdomen). 352.

Syrphus ruficauda Snow, 1892, Kans. Univ. Quart., vol. 1, no. 1, p. 36. 2 ♂ syntypes. 339.

Tropidia incana Townsend, 1895, Trans. Amer. Ent. Soc., vol. 22, pp. 52-53. ♀ holotype. 378.

Volucella correcta Curran, 1927, Bull. Brooklyn Ent. Soc., vol. 22, no. 2, pp. 87-88. ♂ holotype, ♀ allotype. 2940.

Volucella inops Townsend, 1895, Trans. Amer. Ent. Soc., vol. 22, pp. 43-44. ♀ holotype. 334.

Volucella vagoides Curran, 1927, Bull. Brooklyn Ent. Soc., vol. 22, no. 2, pp. 86-87. ♀ holotype. 5511.

Xanthogramma habilis Snow, 1895, Kans. Univ. Quart., vol. 3, no. 4, pp. 238-239. ♀ holotype. 353.

Syrphidae—Paratypes

Chilosia nigrofasciata Curran. 2 ♂, 2 ♀. 366.
Chilosia orilliaensis Curran. 2 ♂, 2 ♀. 368.
Eristalis erraticus Curran. 2 ♂, 1 ♀. 385.
Melanostoma luteipennis Curran. 1 ♀. 363.
Metasyrphus luniger astutus Fluke. 1 ♀. 4556.
Metasyrphus sculleni Fluke. 1 ♂. 4687.
Metasyrphus vinelandi Curran. 1 ♀. 343.
Microdon champlaini Curran. 1 ♂, 1 ♀. 329.
Mixogaster beameri Weems. 1 ♂. 1357.
Sphaerophoria nigratarsi Fluke. 1 ♂, 8 ♀. 355.
Sphaerophoria robusta Curran. 2 ♂, 1 ♀. 1742.
Stenosyrphus albipunctatus Curran. 1 ♂, 1 ♀. 351.
Stenosyrphus grossulariae melanis Curran. 1 ♀. 349.
Syrphus aberrantis Curran. 2 ♂, 2 ♀. 338.
Syrphus bigelowi Curran. 1 ♂, 3 ♀. 348.
Syrphus currani Fluke. 1 ♂. 3072.
Syrphus pallifrons Curran. 1 ♀. 342.
Syrphus pingreensis Fluke. 1 ♀. 337.
Toxomerus occidentalis Curran. 2 ♂, 1 ♀. 356.
Volucella barei Curran. 1 ♀. 335.
Volucella visiculana Curran. 1 ♂, 1 ♀. 3755.
Volucella visicularia Curran. 1 ♂, 1 ♀. 3754.

Tabanidae

Apatolestes (Apatolestes) albipilosus Brennan, 1935, Univ. Kans. Sci. Bull., vol. 22, no. 13, p. 371. ♀ holotype. 2178.

Apatolestes (Apatolestes) ater Brennan, 1935, Univ. Kans. Sci. Bull., vol. 22, no. 13, pp. 371-372. ♀ holotype, ♂ allotype, 1 ♀ paratype. 2179.

Apatolestes comastes Williston, 1885, Ent. Americana, vol. 1, pp. 12-13. 1 ♀ syntype. 78.

Apatolestes (Apatolestes) comastes willistoni Brennan, 1935, Univ. Kans. Sci. Bull., vol. 22, no. 13, p. 373. ♀ holotype, 14 ♀ paratypes. 2180.

Apatolestes (Apatolestes) hinei Brennan, 1935, Univ. Kans. Sci. Bull., vol. 22, no. 13, p. 374. ♀ holotype, ♂ allotype, 1 ♀ paratype. 2181.

Atylotus baal Townsend, 1895, Trans. Amer. Ent. Soc., vol. 22, pp. 58-59. ♀ holotype. 584.

Bequaertomyia anthracina Brennan, 1935, Univ. Kans. Sci. Bull., vol. 22, no. 13, pp. 377-378. ♀ holotype, ♂ allotype, 2 ♀ paratypes. 2182.

Chrysops beameri Brennan, 1935, Univ. Kans. Sci. Bull., vol. 22, no. 13, p. 265. ♀ holotype, 8 ♀ paratypes. 2156.

Chrysops bistellatus Daecke, 1905, Ent. News, vol. 16, no. 8, pp. 249-250. 1 ♀ syntype. 583.

Chrysops clavicornis Brennan, 1935, Univ. Kans. Sci. Bull., vol. 22, no. 13, pp. 277-278. ♀ holotype, ♂ allotype, 3 ♀ paratypes. 2159.

Chrysops discalis Williston, 1880, Trans. Conn. Acad. Sci., vol. 4, pp. 245-246. 1 ♀ syntype. 83.

Chrysops dissimilis Brennan, 1935, Univ. Kans. Sci. Bull., vol. 22, no. 13, pp. 288-289. ♀ holotype, ♂ allotype, 8 ♂, 12 ♀ paratypes. 2154.

Chrysops frazari Williston, 1887, Trans. Kans. Acad. Sci., vol. 10, p. 133. ♀ holotype. 84.

Chrysops hungerfordi Brennan, 1935, Univ. Kans. Sci. Bull., vol. 22, no. 13, pp. 306-308. ♀ holotype, ♂ allotype, 5 ♀ paratypes. 2155.

Chrysops pachycera Williston, 1887, Trans. Kans. Acad. Sci., vol. 10, pp. 134-135. 1 ♂ syntype. 5889.

Chrysops pertinax Williston, 1887, Trans. Kans. Acad. Sci., vol. 10, p. 132. 2 ♀ syntypes. 86.

Chrysops robusta Brennan, 1935, Univ. Kans. Sci. Bull., vol. 20, no. 13, pp. 333-335. ♀ holotype, ♂ allotype, 1 ♂ paratype. 2172.

Chrysops sequax Williston, 1887, Trans. Kans. Acad. Sci., vol. 10, pp. 133-134. 1 ♂, 1 ♀ syntypes. 87.

Chrysops sordidus Osten Sacken, 1875, Mem. Boston Soc. Nat. Hist., vol. 2, part 4, no. 1, pp. 376-377. 1 ♀ syntype. 2259.

Diachlorus guttatulus Townsend, 1893, Trans. Kans. Acad. Sci., vol. 13, pp. 134-135. 1 ♀ lectotype, 2 ♀ lectoparatypes (both without heads), Philip, 1959, Trans. Amer. Ent. Soc., vol. 85, no. 3, p. 215. 587.

Dichelacera mexicana Fairchild & Philip, 1960, Studia Ent., n. s., vol. 3, fasc. 1-4, pp. 48-49. ♀ holotype, ♂ allotype, 4 ♂, 4 ♀ paratypes. 5896.

Dichelacera pullata Fairchild & Philip, 1960, Studia Ent., n. s., vol. 3, fasc. 1-4, pp. 57-59. ♀ holotype. 5897.

Hineia flavipes Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 150. ♀ holotype. 81.

Pangonia dives Williston, 1887, Trans. Kans. Acad. Sci., vol. 10, pp. 130-131. 2 ♂, 1 ♀ syntypes. 5898.

Pangonia fera Williston, 1887, Trans. Kans. Acad. Sci., vol. 10, p. 130. ♂ holotype. 80.

Silvius laticallus Brennan, 1935, Univ. Kans. Sci. Bull., vol. 22, no. 13, pp. 353-354. ♀ holotype, ♂ allotype, 1 ♂, 2 ♀ paratypes. 2153.

Silvius pollinosus Williston, 1880, Trans. Conn. Acad. Sci., vol. 4, pp. 244-245. ♀ holotype. 82.

Snowiellus atratus Hine, 1904, Ohio Nat., vol. 5, no. 2, p. 230. ♀ holotype. 611.

Tabanus astutus Osten Sacken, 1875, Mem. Bost. Soc. Nat. Hist., vol. 2, part 4, no. 4, p. 471. 1 ♀ syntype. 2183.

Tabanus epistates Osten Sacken. See *Tabanus socius.*

Tabanus exul Osten Sacken, 1878, Mem. Bost. Soc. Nat. Hist., vol. 2, part 2, Supplement, pp. 557-558. 1 ♀ syntype. 2255.

Tabanus fenestra Williston, 1887, Trans. Kans. Acad. Sci., vol. 10, p. 141. ♀ holotype. 585

Tabanus (Stenotabanus) flavidus Hine, 1904, Ohio Nat., vol. 5, no. 2, pp. 236-237. ♂ allotype. 5890.

Tabanus fratellus Williston, 1887, Trans. Kans. Acad. Sci., vol. 10, p. 140. 1 ♀ syntype. 5891.

Tabanus fur Williston, 1887, Trans. Kans. Acad. Sci., vol. 10, pp. 139-140. 1 ♀ syntype. 607.

Tabanus hyalinipennis Hine, 1903, Canadian Ent., vol. 35, no. 9, pp. 244-245. 1 ♀ syntype. 588.

Tabanus laticeps Hine, 1904, Ohio Nat., vol. 5, no. 2, p. 239. 1 ♀ syntype. 589.

Tabanus microcephalus Osten Sacken, 1876, Mem. Bost. Soc., Nat. Hist., vol. 2, part 4, no. 4, pp. 470-471. 1 ♀ syntype. 5894.

Tabanus osburni Hine, 1904, Ohio Nat., vol. 5, no. 2, p. 241. 4 ♀ syntypes. 5895.

Tabanus parvulus Williston, 1887, Trans. Kans. Acad. Sci., vol. 10, p. 141. ♀ holotype. 604.

Tabanus productus Hine, 1904, Ohio. Nat., vol. 5, no. 2, p. 242. 1 ♀ syntype. 605.

Tabanus pygmaeus Williston, 1887, Trans. Kans. Acad. Sci., vol. 10, p. 141. ♀ holotype. 606.

Tabanus quaesitus Stone, 1938, U. S. Dept. Agr., Misc. Publ., no. 305, p. 54. ♀ holotype. 2133.

Tabanus (Taeniotabanus) rhizonshine Philip, 1954, Amer. Mus. Novit., no. 1695, pp. 13-15. ♀ holotype, ♂ allotype. 5442.

Tabanus socius Osten Sacken, 1876, Mem. Boston Soc. Nat. Hist., vol. 2, part 4, no. 4, p. 467. (Preoccupied by *T. socius* Walker and renamed *T. epistates* Osten Sacken, same paper, p. 555.) 1 ♀ syntype. 2254.

Tabanus sodalis Williston, 1887, Trans. Kans. Acad. Sci., vol. 10, p. 139. ♀ lectotype, 2 ♀ lectoparatypes, Pechuman, 1960, Canadian Ent., vol. 92, no. 10, p. 798. 608.

Tabanus sonomensis Osten Sacken, 1877, Bull. of U. S. Geol. & Geog. Survey of Territories, F. V. Hayden Geologist-in-charge, vol. 3, no. 2, pp. 216-217. 1 ♀ syntype. 2256.

Tabanus tarsalis Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 151. 4 ♀ syntypes. 609.

Tabanidae—Paratypes

Chrysops aberrans Philip. 1 ♂, 18 ♀. 2612.
Chrysops asbestos Philip. 1 ♂, 2 ♀. 4020.
Chrysops atlantica Pechuman. 1 ♀. 4113.
Chrysops bishoppi Brennan. 2 ♂, 3 ♀. 2157.
Chrysops carbonaria nubiapex Philip. 1 ♂. 4514.
Chrysops clavicornis brennani Philip. 1 ♀. 5807.
Chrysops dacne Philip. 10 ♀. 4220.
Chrysops dawsoni Philip. 1 ♀. 5808.
Chrysops dilatus Rowe & Knowlton. 1 ♂, 1 ♀. 2265.
Chrysops flavida celata Pechuman. 1 ♂. 4112.
Chrysops fulvistigma dorsopuncta Fairchild. 1 ♀. 2488.
Chrysops furcata chagnoni Philip. 2 ♀. 5809.
Chrysops latifrons Brennan. 1 ♀. 2166.
Chrysops reicherti Fairchild. 1 ♀. 2487.
Chrysops venus Philip. 1 ♀. 4037.
Chrysops wileyae Philip. 3 ♂, 2 ♀. 4513.
Chrysozona champlaini Philip. 2 ♀. 4219.
Chrysozona willistoni Philip. 1 ♀. 4189.
Hybomitra aatos Philip. 7 ♀. 2611.
Silvius sayi Brennan. 2 ♀. 5899.
Stonemyia abaureus Philip. 4 ♀. 2883.
Tabanus aar Philip. 1 ♂, 4 ♀. 2610.
Tabanus abactor Philip. 1 ♀. 2124.
Tabanus cazieri Philip. 1 ♀. 5519.
Tabanus coarctatus Stone. 1 ♀. 2506.
Tabanus criddlei Brooks. 1 ♀. 5900.

Tabanus eurycerus Philip. 1 ♂. 2404.
Tabanus fulvulus pallidescens Philip. 1 ♀. 2208.
Tabanus gladiator Stone. 1 ♀. 2507.
Tabanus kesseli Philip. 1 ♀. 4073.
Tabanus lineola hinellus Philip. 1 ♂, 2 ♀. 5826.
Tabanus lineola schwardti Philip. 3 ♂, 4 ♀. 5893.
Tabanus molestus mixis Philip. 1 ♀. 4453.
Tabanus nigrescens atripennis Stone. 1 ♀. 2152.
Tabanus sackeni Fairchild. 2 ♀. 2258.
Tabanus stonei Philip. 2 ♂, 19 ♀. 2964.
Tabanus subfronto Philip. 9 ♀. 2150.
Tabanus sublongus Stone. 2 ♀. 2260.
Tabanus zythicolor Philip. 1 ♀. 2206.

TACHINIDAE

Anisia vanderwulpi Townsend, 1892, Ent. News, vol. 3, no. 4, p. 81. ♀ holotype (described as ♂). 389.

Aphria ocypterata Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 361-363. 1 ♂, 1 ♀ syntypes. 390.

Aporia limacodis Townsend, 1892, Psyche, vol. 6, no. 194, pp. 275-276. ♂ holotype. 3420.

Archytas lobulatus Curran, 1928, Canadian Ent., vol. 60, no. 11, p. 279. ♀ allotype. 547.

Archytas prudens Curran, 1928, Canadian Ent., vol. 60, no. 11, p. 275. ♂ holotype. 546.

Atropharista jurinoides Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 92-93. 2 ♂, 1 ♀ syntypes. 477.

Atrophopalpus angusticornis Townsend, 1892, Ent. News, vol. 3, no. 6, p. 131. ♂ holotype. 394.

Atrophopoda braueri Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, p. 357. 1 ♂ syntype. 1808.

Atrophopoda singularis Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 374-375. 1 ♀ syntype. 4674.

Belvosia vanderwulpi Williston, 1885, Trans. Amer. Ent. Soc., vol. 13, p. 303. (spelled *Belvoisia v. d. Wulpi* in original description.) ♀ holotype. 397.

Blepharipeza exul Townsend, 1892, Canadian Ent., vol. 24, no. 3, pp. 64-65. ♀ holotype. 3568.

Blepharipeza nigrisquamis Townsend, 1892, Ent. News, vol. 3, no. 4, p. 80. ♀ holotype (described as ♂). 398.

Blepharipeza rufescens Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 90. ♀ holotype. 399.

Calodexia continua Curran, 1934, Amer. Mus. Novit., no. 685, pp. 10-11. ♀ holotype. 5901.

Calodexia interrupta Curran, 1934, Amer. Mus. Novit., no. 685, pp. 9-10. ♀ allotype. 5919.

Ceratomyiella conica Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, p. 380. ♂ holotype (described as ♀). 401.

Chaetoglossa nigripalpis Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 126. ♂ holotype. 404.

Chaetoglossa picticornis Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 126. 2 ♀ syntypes. 402.

Chaetoglossa violae Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 126. 2 ♂ syntypes. 403.

Cistogaster pallasii Townsend, 1891, Proc. Ent. Soc. Wash., vol. 2, pp. 142-143. ♀ holotype. 406.

Clista americana Townsend, 1892, Canadian Ent., vol. 24, no. 4, p. 78. ♀ holotype. 4672.

Clistomorpha hyalomoides Townsend, 1892, Canadian Ent., vol. 24, no. 4, pp. 80-81. ♂ holotype. 408.

Clytia flava Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 372-373. 2 ♂ syntypes. 407.

Cnephalia finitima Snow, 1895, Kans. Univ. Quart., vol. 3, no. 3, pp. 184-185. 3 ♂, 1 ♀ syntypes. 507.

Cnephalia pansa Snow, 1895, Kans. Univ. Quart., vol. 3, no. 3, p. 182. 1 ♂, 4 ♀ syntypes. 508.

Coronimyia geniculata Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 129-130. ♂ holotype (described as ♀). 421.

Cuphocera beameri Reinhard, 1934, Proc. U. S. Nat. Mus., vol. 83, no. 2973, pp. 66-67. ♂ holotype. 1813.

Cuphocera contigua Reinhard, 1934, Proc. U. S. Nat. Mus., vol. 83, no. 2973, pp. 61-63. ♂ holotype, 24 ♀ paratypes. 1805.

Cuphocera flavicornis Reinhard, 1934, Proc. U. S. Nat. Mus., vol. 83, no. 2973, pp. 58-59. ♂ holotype. 1812.

Cuphocera incongrua Reinhard, 1934, Proc. U. S. Nat. Mus., vol. 83, no. 2973, pp. 68-70. ♂ holotype. 1809.

Daeochaeta harveyi Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 98. ♂ holotype. 410.

Dejeania hystricosa Williston, 1885, Trans. Amer. Ent. Soc., vol. 13, p. 297. ♂ lectotype, 5 ♂, 11 ♀ lectoparatypes, Townsend, 1931, Rev. de Ent., vol. 1, fasc. 2, p. 163. 415.

Drepanoglossa lucens Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 378-379. 9 ♂ syntypes (one missing abdomen). 422.

Echinomyia dakotensis Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 94. 2 ♂ syntypes. 414.

Emphanopteryx eumyothyroides Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 121. ♀ holotype (described as ♂). 434.

Ennyomma clistoides Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 371-372. ♂ holotype. 482.

Epigrimyia polita Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, p. 376. ♂ holotype. 423.

Eucnephalia gonoides Townsend, 1892, Canadian Ent., vol. 24, no. 7, p. 167. ♀ holotype. 427.

Eulasiona comstocki Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 120. ♂ holotype. 429.

Eumyothyria illinoiensis Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 122. ♀ holotype (described as ♂). 391.

Euphorocera tachinomoides Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 112. ♂ holotype. 425.

Euryceromyia robertsonii Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 116. ♀ holotype. 426.

Euscopolia dakotensis Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 124-125. ♀ holotype. 428.

Euthyprosopa petiolata Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 107. 3 ♀ syntypes (one without head). 430.

Exopalpus pompalis Reinhard, 1941, Jour. Kans. Ent. Soc., vol. 14, no. 2, pp. 58-60. ♀ holotype, 3 ♀ paratypes. 3342.

Exorista chrysophani Townsend, 1891, Ent. News, vol. 2, no. 10, p. 198. ♀ holotype. 431.

Exorista ciliata Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 363-364. ♂ holotype, 1 ♀ paratype. 525.

Exorista eudryae Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 287-288. ♂ holotype. 432.

Exorista lagoae Townsend, 1891, Ent. News, vol. 2, no. 8, p. 159. ♂ holotype (head missing; remainder in poor condition). 433.

Frontina acroglossoides Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 367-368. ♀ holotype. 4667.

Ginglymia acrirostris Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 119. ♂ holotype. 437.

Gonia exul Williston, 1887, Canadian Ent., vol. 19, no. 1, p. 11. 5 ♀ syntypes (one without head). 441.

Gonia porca Williston, 1887, Canadian Ent., vol. 19, no. 1, p. 10. 2 ♂ syntypes. 443.

Gonia sagax Townsend, 1892, Canadian Ent., vol. 24, no. 3, p. 65. ♂ holotype. 445.

Gonia senilis Williston, 1887, Canadian Ent., vol. 19, no. 1, p. 10. ♂ holotype. 444.

Gonia sequax Williston, 1887, Canadian Ent., vol. 19, no. 1, p. 12. 3 ♂ syntypes. 446.

Goniochaeta plagioides Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 352-353. 1 ♀ syntype. 451.

Gymnochaeta ruficornis Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, p. 302. ♀ holotype. 452.

Gymnochaeta vivida Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, p. 302. ♀ holotype. 453.

Hyalomyia aeneoventris Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, p. 296. 1 ♂ syntype. 387.

Hyalomyia aldrichii Townsend, 1891, Proc. Ent. Soc. Wash., vol. 2, p. 136. 1 ♂ syntype. 4670.

Hyalomyia celer Townsend, 1895, Trans. Amer. Ent. Soc., vol. 22, pp. 65-66. ♀ holotype, 1 ♀ paratype. 3571.

Hyalomyia purpurascens Townsend, 1891, Proc. Ent. Soc. Wash., vol. 2, p. 137. 6 ♂ syntypes (two without heads; one without abdomen). 3569.

Hyalomyia robertsonii Townsend, 1891, Proc. Ent. Soc. Wash., vol. 2, pp. 136-137. 2 ♀ syntypes. 3570.

Hyalomyodes weedii Townsend, 1893, Psyche, vol. 6, no. 204, p. 430. 5 ♂? syntypes. 3572.

Hypertrophocera parvipes Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, p. 361. ♂ holotype (described as ♀). 461.

Hystricia aldrichi Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 91-92. 1 ♂, 2 ♀ syntypes. 3567.

Hystricia soror Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, p. 298. ♀ holotype (missing head). 468.

Hystrichodexia roederi Williston, 1894, Kans. Univ. Quart., vol. 2, no. 2, pp. pp. 77-78. ♂ holotype. 550.

Jurinia (Fabricia) histricoides Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, p. 300. 4 ♂, 4 ♀ syntypes. 544.

Laccoprosopa sarcophagina Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, p. 366. ♂ holotype. 582. Species originally placed in Sarcophagidae.

Leschenaultia grossa Brooks, 1946, Canadian Ent., vol. 78, nos. 9-10, pp. 176-178. ♂ holotype, ♀ allotype, 11 ♂, 2 ♀ paratypes. 3607.

Leucostoma atra Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 380-381. ♂ holotype. 470.

Leucostoma neomexicana Townsend, 1892, Canadian Ent., vol. 24, no. 7, pp. 169-170. ♂ holotype. 471.

Loewia globosa Townsend, 1892, Ent. News, vol. 3, no. 6, pp. 129-130. ♂ holotype. 484.

Loewia nigrifrons Townsend, 1892, Canadian Ent., vol. 24, no. 4, pp. 77-78. ♂ holotype. 485.

Loewia ruficornis Townsend, 1892, Canadian Ent., vol. 24, no. 4, p. 77. ♂ holotype. 483.

Macquartia johnsoni Townsend, 1892, Canadian Ent., vol. 24, no. 4, pp. 81-82. ♀ holotype (described as ♂). 459.

Masicera datanarum Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 287. 2 ♀ syntypes. 439.

Masicera eufitchiae Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 286-287. ♂ holotype. 476.

Masicera (Ceromasia) nigrita Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 358-359. ♂ holotype (genitalia missing). 513.

Masicera protoparcis Townsend, 1892, Jour. Jamaica Inst., vol. 1, no. 2, p. 70. 1 ♂, 1 ♀ syntypes. 4664.

Masicera schizurae Townsend, 1891, Psyche, vol. 6, no. 188, pp. 187-188. 2 ♂ syntypes. 438.

Masicera sordicolor Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 359-360. ♂ holotype. 4673.

Masicera sphingivora Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 286. 2 ♂ syntypes. 436.

Masicera tenthredinidarum Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 285-286. ♀ holotype (without abdomen). 440.

Meigenia hyphantriae Townsend, 1891, Psyche, vol. 6, no. 187, pp. 176-177. 2 ♀ syntypes. 463.

Meigenia websteri Townsend, 1891, Canadian Ent., vol. 23, no. 10, pp. 206-207. 1 ♂, 1 ♀ syntypes. 491.

Megaprosopus michiganensis Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 111-112. ♀ holotype. 480.

Melanophrys flavipennis Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, p. 306. 1 ♂, 3 ♀ syntypes. 478.

Minthozelia gracilis Reinhard, 1946, Jour. Kans. Ent. Soc., vol. 19, no. 2, pp. 56-57. ♂ holotype, 5 ♂ paratypes. 3646.

Minthozelia nitens Reinhard, 1946, Jour. Kans. Ent. Soc., vol. 19, no. 2, p. 58. ♀ holotype. 3643.

Muscopteryx chaetosula Townsend, 1892, Canadian Ent., vol. 24, no. 7, pp. 171-172. ♀ holotype (described as ♂). 486.

Myothyria vanderwulpi Townsend, 1892, Ent. News, vol. 3, no. 6, p. 131. ♀ holotype (described as ♂). 466.

Nemoraea nigricornis Williston, 1908, Manual of North American Diptera, third ed., pp. 370-371 (manuscript name of C. H. T. Townsend; *nomen nudum* in Townsend, 1893, Psyche, vol. 6, p. 467). ♂ lectotype, 2 ♂ lecto-paratypes (lectotype here designated by C. W. Sabrosky, at his request). 6037.

Neotractocera anomala Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 106. 2 ♀ syntypes. 487.

Nicephorus floridensis Rienhard, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, pp. 64-65. ♂ holotype, ♀ allotype, 9 ♂, 4 ♀ paratypes. 3511.

Ocyptera argentea Townsend, 1891, Proc. Ent. Soc. Wash., vol. 2, no. 1, pp. 144-145. 3 ♂ syntypes. 488.

Ocypterosipha willistoni Townsend, 1894, Jour. N. Y. Ent. Soc., vol. 2, no. 2, p. 79. 2 ♂ syntypes. 4669.

Olenochaeta kansensis Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 115. ♀ holotype. 411.

Orestilla primoris Reinhard, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, p. 63. ♂ holotype, ♀ allotype, 3 ♂, 3 ♀ paratypes. 3510.

Orthosia montana Reinhard, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, pp. 61-62. ♂ holotype. 3508.

Orthosia palaga Reinhard, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, p. 62. ♀ holotype. 3509.

Peleteria biangulata Curran, 1925, Trans. Roy. Soc. Canada, Sect. 5, Series 3, vol. 19, pp. 255-256. ♂ holotype, ♀ allotype, 3 ♂ paratypes. 527.

Peleteria convexa Curran, 1925, Trans. Roy. Soc. Canada, Sect. 5, Series 3, vol. 19, pp. 251-252. ♂ holotype. 531.

Peleteria mediana Reinhard, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, pp. 71-72. ♂ holotype, ♀ allotype, 3 ♂, 4 ♀ paratypes. 3515.

Peleteria neglecta Curran, 1925, Trans. Roy. Soc. Canada, Sect. 5, Series 3, vol. 19, p. 243. ♂ holotype, ♀ allotype, 5 ♂, 2 ♀ paratypes. 535.

Peleteria regalis Curran, 1925, Trans. Roy. Soc. Canada, Sect. 5, Series 3, vol. 19, p. 235. ♀ holotype. 536.

Phasioclista metallica Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 370-371. 2 ♂ syntypes. 481.

Phorocera edwardsii Williston, 1889, Scudder's Butterflies of New England, vol. 3, pp. 1921-1922. ♀ holotype. 3573.

Phorocera lophyri Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 289. ♂ holotype. 3575.

Phorocera promiscua Townsend, 1891, Psyche, vol. 6, no. 181, pp. 84-85. 2 ♀ syntypes. 490.

Phorocera (Prospherysa?) puer Williston, 1896, Trans. Ent. Soc. London, series 4, vol. 29, pp. 354-355. ♂ holotype. 595.

Phyto nigricornis Townsend, 1892, Canadian Ent., vol. 24, no. 7, p. 170. 4 ♂ syntypes. 473.

Phyto senilis Townsend, 1892, Canadian Ent., vol. 24, no. 4, pp. 81-82. ♂ holotype. 472.

Plagia aurifrons Townsend, 1892, Canadian Ent., vol. 24, no. 3, p. 67. ♂ holotype. 597.

Plagiomima haustellata Reinhard, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, pp. 59-60. ♂ holotype, ♀ allotype, 3 ♂, 5 ♀ paratypes. 3507.

Plagiprospherysa floridensis Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 114. ♂ holotype. 600.

Plagiprospherysa valida Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 113-114. ♂ holotype. 602.

Polidea americana Townsend, 1892, Canadian Ent., vol. 24, no. 4, p. 82. 1 ♂ syntype. 4668.

Prosenoides grandis Reinhard, 1954, Canadian Ent., vol. 86, no. 9, p. 413. ♂ holotype, ♀ allotype, 7 ♂, 2 ♀ paratypes. 5448.

Pseudogonia ruficauda Townsend, 1892, Canadian Ent., vol. 24, no. 3, p. 66. ♂ holotype. 4671.

Pseudohystricia exilis Townsend, 1892, Ent. News, vol. 3, no. 6, pp. 146-147. ♀ holotype. 467.

Pseudomyothria indecisa Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 132. ♂ holotype. 465.

Pseudatractocera neomexicana Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 108. 3 ♂, 1 ♀ syntypes. 493.

Rhinophora mexicana Townsend, 1892, Canadian Ent., vol. 24, no. 7, pp. 168-169. 4 ♂ syntypes. 494.

Rhinophora valida Townsend, 1892, Canadian Ent., vol. 24, no. 7, pp. 167-168. ♂ holotype (with part of abdomen broken). 495.

Saundersia bicolor Williston, 1887, Trans. Amer. Ent. Soc., vol. 13, p. 304. 1 ♂, 1 ♀ syntypes. 416.

Saundersia maculata Williston, 1887, Trans. Amer. Ent. Soc., vol. 13, p. 304. ♀ holotype (described as ♂). 417.

Sciasma lustrans Reinhard, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, pp. 58-59. ♂ holotype. 3506.

Scopolia sequax Williston, 1875, *in* Cook, Notes on Injurious Insects, Entomological Laboratory, Michigan Agric. College. ♀ holotype. 596.

Siphoclytia robertsonii Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 117-118. ♂ holotype. 424.

Siphona illinoiensis Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 368-369. 1 ♀ syntype. 503.

Siphophyto floridensis Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 128. ♂ holotype (described as ♀). 419.

Siphophyto neomexicanus Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 128. ♀ holotype. 420.

Siphoplagia anomala Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 350-351. 3 ♀ syntypes. 505.

Tachina clisiocampae Townsend, 1891, Psyche, vol. 6, no. 181, pp. 83-84. 1 ♂ syntype. 514.

Tachina orgyiae Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 284-285. ♀ holotype. 515.

Tachina spinosula Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 353-354. ♀ holotype. 520.

Tachina tenthredinivora Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 285. ♀ holotype. 516.

Tachinomyia floridensis Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 97. ♂ holotype. 518.

Tachinomyia robusta Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, pp. 96-97. 4 ♂ syntypes. 511.

Tachinophyto floridensis Townsend, 1892, Trans. Amer. Ent. Soc., vol. 19, p. 131. ♀ holotype. 464.

Thryptocera americana Townsend, 1892, Canadian Ent., vol. 24, no. 3, pp. 69-70. ♀ holotype. 4666.

Trichopoda subcilipes Townsend, 1894, Jour. N. Y. Ent. Soc., vol. 2, no. 2, pp. 78-79. 3 ♂, 1 ♀ syntypes. 521.

Trixa gillettei Townsend, 1892, Canadian Ent., vol. 24, no. 3, p. 68. ♂ holotype. 5804.

Tryphera americana Townsend, 1892, Canadian Ent., vol. 24, no. 4, pp. 78-79. ♀ holotype. 601.

Vanderwulpia atrophopodoides Townsend, 1891, Trans. Amer. Ent. Soc., vol. 18, pp. 381-382. 2 ♀ syntypes (described as ♂). 523.

Vanderwulpia sequens Townsend, 1892, Canadian Ent., vol. 24, no. 7, p. 172. ♀ holotype (described as ♂). 524.

Wahlbergia atripennis Townsend, 1891, Proc. Ent. Soc. Wash., vol. 2, no. 1, pp. 145-146. ♂ lectotype, 2 ♂ lectoparatypes (one without abdomen), Sabrosky, 1950, Jour. Wash. Acad. Sci., vol. 40, p. 365. 418.

Zenillia collina Reinhard, 1944, Jour. Kans. Ent. Soc., vol. 17, no. 2, pp. 68-69. ♂ holotype, ♀ allotype, 6 ♂ paratypes. 3514.

TACHINIDAE—Paratypes

Aglummyia percinerea Townsend. 1 ♀. 435.

Alophorella polita Brooks. 1 ♂. 3545.

Anetia parvula Reinhard. 4 ♀. 5785.

Archytas dux Curran. 8 ♀ (1 without head). 548.

Archytas vulgaris Curran. 302 ♂ & ♀. 545.
Belvosia semiflava Aldrich. 6 ♂, 7 ♀. 395.
Belvosia spinicoxa Aldrich. 1 ♀. 396.
Belvosia townsendi Aldrich. 1 ♂, 1 ♀. 405.
Cryptomeigenia muscoides Curran. 2 ♂ (1 without abdomen). 392.
Cuphocera aurifrons Reinhard. 1 ♂, 4 ♀. 409.
Cuphocera parksi Reinhard. 1 ♂. 1811.
Cuphocera torosa Reinhard. 1 ♂. 1810.
Cylindromyia armata Aldrich. 5 ♂ (1 without abdomen). 541.
Cylindromyia decora Aldrich. 10 ♂, 2 ♀. 540.
Cylindromyia nigra Aldrich. 2 ♂ (1 missing abdomen). 542.
Cylindromyia vulgaris Aldrich. 32 ♂ & ♀ (3 heads, 3 abdomens missing). 543.
Ernestia platycarina Tothill. 1 ♂ (genitalia missing), 3 ♀. 549.
Eudexia dreisbachi Reinhard. 5 ♂, 7 ♀. 5786.
Fabriciella lutzi Curran. 1 ♂. 413.
Fabriciella nivalis Tothill. 1 ♂, 1 ♀. 412.
Gonia aldrichi Tothill. 2 ♂. 442.
Gonia breviforceps Tothill. 2 ♂. 447.
Gonia brevipulvilli Tothill. 2 ♂. 448.
Gonia longiforceps Tothill. 2 ♂. 449.
Gonia longipulvilli Tothill. 1 ♂. 450.
Hyalomyiopsis robusta Brooks. 1 ♀. 3584.
Hypenomyia petiolata Townsend. 1 ♀. 460.
Leschenaultia halisidotae Brooks. 2 ♂, 1 ♀. 3608.
Leucostoma acirostre Reinhard. 1 ♂. 5787.
Lixophaga fasciata Curran. 2 ♂, 3 ♀ (one without head). 469.
Masiphyomyia paralis Reinhard. 2 ♂. 3512.
Microphthalma phyllophagae Curran. 3 ♂, 2 ♀. 5789.
Minthozelia argentosa Reinhard. 1 ♂. 3645.
Neonyctia ciliata Townsend. 1 ♀. 462.
Onychogonia magna Brooks. 2 ♀. 3518.
Orphanotrophus orbitalis Reinhard. 1 ♂. 5773.
Pantagathus curulis Reinhard. 1 ♂. 3343.
Paradidyma affinis Reinhard. 1 ♂, 2 ♀. 1806.
Paradidyma apicalis Reinhard. 2 ♂. 5774.
Paradidyma petiolata Reinhard. 1 ♂, 1 ♀. 1807.
Peleteria aclista Reinhard. 1 ♂. 5775.
Peleteria bryanti Curran. 18 ♂ & ♀. 528.
Peleteria campestre Curran. 73 ♂ & ♀. 529.
Peleteria clara Curran. 27 ♂ & ♀. 530.
Peleteria confusa Curran. 4 ♂, 5 ♀. 532.
Peleteria conjuncta Curran. 1 ♂, 1 ♀. 539.
Peleteria cornigera Curran. 3 ♂, 1 ♀. 537.
Peleteria cornuta Curran. 1 ♀. 533.
Peleteria eronis Curran. 102 ♂ & ♀. 534.
Peleteria texensis Curran. 1 ♂, 1 ♀. 538.
Phryxe tolucana Reinhard. 1 ♀. 5776.
Plagiomima alternata Aldrich. 2 ♀. 598.
Plagiomima cognata Aldrich. 2 ♂. 599.
Pseudochaeta perdecora Reinhard. 1 ♀. 3644.

Rileymyia triseta Brooks. 6 ♂, 1 ♀. 3609.
Siphophyto politura Reinhard. 1 ♂. 3583.
Siphophyto turmalis Reinhard. 1 ♀. 3582.
Siphoplagiopsis similis Townsend. 2 ♀. 506.
Siphosturmia confusa Reinhard. 4 ♂, 4 ♀. 5803.
Sthenopleura latifrons Aldrich. 2 ♂. 504.
Sturmia crescentis Reinhard. 5 ♂, 7 ♀. 3513.
Tachinomyia apicata Curran. 1 ♂, 1 ♀. 510.
Tachinomyia dakotensis Webber. 1 ♂. 519.
Tachinomyia occidentalis Curran. 2 ♂. 509.
Tachinomyia variata Curran. 3 ♂, 2 ♀. 512.

THEREVIDAE

Epomyia flavipes Hardy, 1943, Jour. Kans. Ent. Soc., vol. 16, no. 1, p. 26. ♂ holotype, 3 ♂ paratypes. 3277.

Psilocephala acuta Adams, 1903, Univ. Kans. Sci. Bull., vol. 2, no. 5, p. 222. 1 ♂, 3 ♀ syntypes (2 ♀ broken but repaired). 135.

Psilocephala lateralis Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, p. 444. ♂ holotype. 136.

Psilocephala occipitalis Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, p. 443. ♂ holotype. 138.

Psilocephala squamosa Hardy, 1943, Jour. Kans. Ent. Soc., vol. 16, no. 1, p. 24. ♂ holotype, ♀ allotype, 2 ♂ paratypes. 3276.

Thereva anomala Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, p. 444. 1 ♂, 1 ♀ syntypes. 139.

Thereva crassicornis Williston, 1886, Trans. Amer. Ent. Soc., vol. 13, pp. 293-294. 1 ♂ syntype. 140.

THEREVIDAE—Paratypes

Psilocephala frontalis Cole. 1 ♂, 6 ♀. 137.

TIPULIDAE

Dolichopeza (Dolichopeza) borealis Byers, 1961, Univ. Kans. Sci. Bull., vol. 42, no. 6, pp. 795-796. ♀ holotype. 6094.

Eriocera eriophora Williston, 1893, Kans. Univ. Quart., vol. 2, no. 2, pp. 61-62. 1 ♂, 1 ♀ syntypes. 1.

Eriocera obscura Williston, 1893, Kans. Univ. Quart., vol. 2, no. 2, p. 61. 4 ♀ syntypes. 2.

Eriocera rubrinota Alexander, 1918, Canadian Ent., vol. 50, no. 5, p. 165. ♀ holotype. 3.

Raphidolabis debilis Williston, 1893, Kans. Univ. Quart., vol. 2, no. 2, p. 62. 1 ♀ syntype (thorax only). 4.

Tipula acuta Doane, 1901, Jour. N. Y. Ent. Soc., vol. 9, no. 3, pp. 116-117. 1 ♂ syntype (genitalia missing). 6.

Tipula dorsolineata Doane, 1901, Jour. N. Y. Ent. Soc., vol. 9, no. 3, p. 98. 1 ♀ syntype. 5.

Tipula mandan Alexander, 1915, Prcc. Acad. Nat. Sci. Phil., vol. 67, pp. 499-501. ♂ holotype, ♀ allotype (without abdomen), 5 ♂ paratypes. 11.

Tipula rangiferina Alexander, 1915, Proc. Acad. Nat. Sci. Phil., vol. 67, pp. 498-499. ♂ holotype, ♀ allotype. 9.

Tipula retusa Doane, 1901, Jour. N. Y. Ent. Soc., vol. 9, no. 3, p. 109. 1 ♂ syntype. 13.

Tipula spectabilis Doane, 1901, Jour. N. Y. Ent. Soc., vol. 9, no. 3, pp. 120-121. 1 ♂ syntype (without abdomen). 8.

Tipula streptocera Doane, 1901, Jour. N. Y. Ent. Soc., vol. 9, no. 3, p. 113. 1 ♀ syntype. 12.

Tipula sulphurea Doane, 1901, Jour. N. Y. Ent. Soc., vol. 9, no. 3, p. 99. 1 ♂ syntype. 14.

Tipula unicincta Doane, 1901, Jour. N. Y. Ent. Soc., vol. 9, no. 3, pp. 115-116. 1 ♀ syntype. 7.

TIPULIDAE—Paratypes

Cryptolabis (Cryptolabis) sica Alexander. 2 ♂, 1? (without abdomen). 5328.

Dicranoptycha minima Alexander. 2 ♂. 15.

Dicranoptycha tigrina Alexander. 2 ♀. 16.

Erioptera maria Alexander. 1 ♂? (apex of abdomen missing). 5329.

Oropeza obscura Johnson. 1 ♂. 1350.

Tipula flavibasis Alexander. 2 ♂, 1? (apex of abdomen missing). 10.

Tipula spenceriana hardyi Alexander. 2 ♂. 5326.

TRYPETIDAE

Dacus africanus Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 169. 1 ♂ syntype. 784.

Euaresta bellula Snow, 1894, Kans. Univ. Quart., vol. 2, no. 3, p. 172. ♀ lectotype, 1 ♂ (without head), 2 ♀ lectoparatypes, Foote, 1962, Jour. Kans. Ent. Soc., vol. 35, no. 1, p. 173. 475.

Euaresta latipennis Townsend, 1893, Zoe, vol. 4, no. 1, pp. 13-15. ♀ holotype. 666.

Eurosta (Trypeta) bigeloviae Townsend, 1893, Canadian Ent., vol. 25, no. 2, pp. 49-52. ♂ holotype. 4660. (Homonym and synonym of *E. bigeloviae* Cockerell, Ent. Mo. Mag., 1890, p. 324.)

Eurosta fenestrata Snow, 1894, Kans. Univ. Quart., vol. 2, no. 3, pp. 169-170. ♀ holotype. 658.

Eurosta reticulata Snow, 1894, Kans. Univ. Quart., vol. 2, no. 3, pp. 170-171. ♂ lectotype, 1 ♂, 1? (without abdomen) lectoparatypes, Foote, 1962, Jour. Kans. Ent. Soc., vol. 35, no. 1, pp. 177-178. 659.

Eutreta diana var. *tricolor* Snow, 1894, Kans. Univ. Quart., vol. 2, no. 3, p. 168. ♀ lectotype, Foote, 1962, Jour. Kans. Ent. Soc., vol. 35, no. 1, p. 178. 656.

Eutreta longicornis Snow, 1894, Kans. Univ. Quart., vol. 2, no. 3, p. 168. ♂ holotype (only thorax and parts of legs remain). 657.

Icterica fasciata Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, pp. 449-450. ♀ lectotype, 1 ♂, 2 ♀ lectoparatypes, Foote, 1962, Jour. Kans. Ent. Soc., vol. 35, no. 1, p. 174. 661.

Oedaspis minuta Snow, 1894, Kans. Univ. Quart., vol. 2, no. 3, p. 164. ♂ holotype. 650.

Oedaspis montana Snow, 1894, Kans. Univ. Quart., vol. 2, no. 3, pp. 163-164. ♂ holotype. 651.

Oedicarena diffusa Snow, 1894, Kans. Univ. Quart., vol. 2, no. 3, pp. 161-162. ♀ lectotype, 2 ♂, 1 ♀ lectoparatypes, 2 additional ♀ with "type" labels, Foote, 1962, Jour. Kans. Ent. Soc., vol. 35, no. 1, p. 174. 647.

Polymorphomyia basilica Snow, 1894, Kans. Univ. Quart., vol. 2, no. 3, pp. 165-166. ♀ holotype. 649.

Rhagoletis zephyria Snow, 1894, Kans. Univ. Quart., vol. 2, no. 3, pp. 164-165. ♂ lectotype, 3 ♂ lectoparatypes, Foote, 1962, Jour. Kans. Ent. Soc., vol. 35, no. 1, pp. 178-179. 654.

Stenopa affinis Quisenberry, 1949, Jour. Kans. Ent. Soc., vol. 22, no. 3, pp. 87-88. ♀ allotype. 4543.

Tephritis arizonaensis Quisenberry, 1951, Jour. Kans. Ent. Soc., vol. 24, no. 2, pp. 62-64. ♀ holotype, ♂ allotype, 1 ♂, 3 ♀ paratypes. 5902.

Tephritis dupla Cresson, 1907, Trans. Amer. Ent. Soc., vol. 33, p. 102. 1 ♂ syntype made lectoparatype, by Foote, 1962, Jour. Kans. Ent. Soc., vol. 35, no. 1, p. 174. 662.

Tephritis michiganensis Quisenberry, 1951, Jour. Kans. Ent. Soc., vol. 24, no. 2, pp. 68-69. ♂ holotype, 2 ♂ paratypes. 4544.

Tephritis obscuripennis Snow, 1894, Kans. Univ. Quart., vol. 2, no. 3, p. 174. ♂ holotype. 663.

Tephritis pallidipennis Cresson, 1907, Trans. Amer. Ent. Soc., vol. 33, pp. 104-105. 1 ♂ syntype. 664.

Tephritis variabilis Doane, 1899, Jour. N. Y. Ent. Soc., vol. 7, no. 3, p. 188. 1 ♀ syntype made a lectoparatype by Foote, 1962, Jour. Kans. Ent. Soc., vol. 35, no. 1, p. 178. 665.

Trypeta occidentalis Snow, 1894, Kans. Univ. Quart., vol. 2, no. 3, p. 163. ♀ lectotype, 1 ♂, 2 ♀ lectoparatypes, McFadden and Foote, 1961, Proc. Ent. Soc. Wash., vol. 62, pp. 253-261. 648.

Trypeta straminea Doane, 1899, Jour. N. Y. Ent. Soc., vol. 7, no. 3, pp. 179-180. 2 ♂ syntypes (1 without head) made lectoparatypes by Foote, 1962, Jour. Kans. Ent. Soc., vol. 35, no. 1, p. 177. 655.

Urellia conjuncta Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, pp. 451-452. ♀ holotype. 667.

Urellia flava Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, p. 451. ♀ holotype. 668.

Urellia occidentalis Adams, 1904, Univ. Kans. Sci. Bull., vol. 2, no. 14, pp. 452-453. ♀ lectotype, 2 ♂, 1 ♀ lectoparatypes, Foote, 1960, U. S. Dept. Agr. Tech. Bull. 1214. 669.

Urellia peregrina Adams, 1905, Univ. Kans. Sci. Bull., vol. 3, no. 6, p. 170. 5 ♂ (1 without head), 1 ♀ syntypes. 749.

Xenochaeta dichromata Snow, 1894, Kans. Univ. Quart., vol. 2, no. 3, pp. 166-167. ♂ holotype. 660.

Trypetidae—Paratypes

Dacus (Strumeta) arecae Hardy and Adachi. 2 ♂. 5314.

Dacus (Paratridacus) expandens melanius Hardy and Adachi. 1 ♂. 5317.

Dacus (Strumeta) kraussi Hardy. 2 ♂. 5315.

Dacus (Strumeta) laticaudus Hardy. 2 ♀. 5316.

Dacus (Heterodaculus) visendus Hardy. 1 ♂. 5318.

Rhagoletis symphoricarpi Curran. 1 ♂, 2 ♀. 652.